

6. N. M. M / 8th  
17. X. 52.

The CHEMIST AND DRUGGIST  
for RETAILER — WHOLESALER — MANUFACTURER  
OCTOBER 18, 1952

DURING THE  
NEXT FORTNIGHT  
SUPPORT  
THE CF  
WINDOW  
DISPLAY  
(OCT 20—NOV 1)

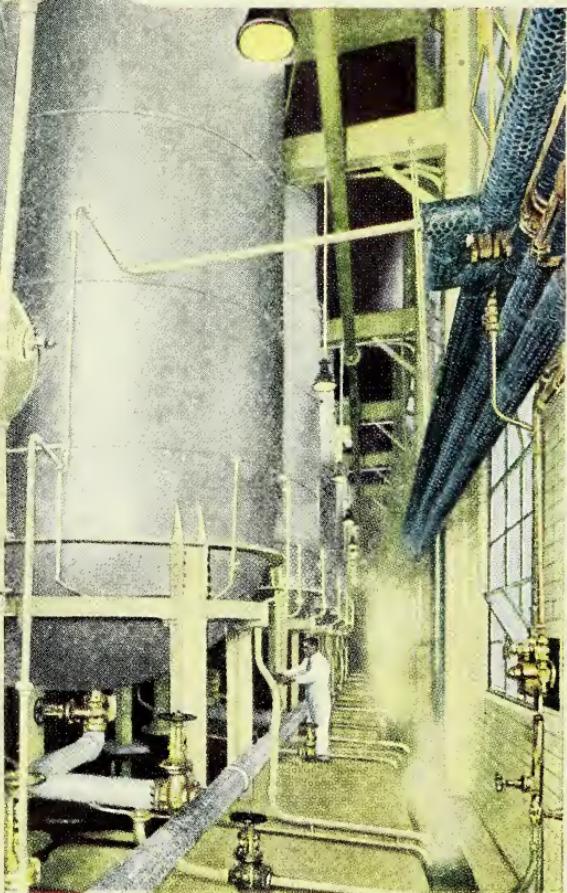
Optrex  
AND  
FAMEL

It's a really good idea to let the public know just what the CF symbol stands for, so make this one of your best displays ever!

AND REMEMBER PLEASE  
a good place for Optrex and Famel,  
two CF products of many years'  
standing, consistently advertised.



for convenient penicillin therapy



## ‘DISTAQUAINE’ G

*the original British procaine salt of penicillin  
for use as an aqueous suspension*  
Vials of 300,000, 900,000 and 3,000,000 units.

# 'DISTAQUAINE' SUSPENSION brand

*procaine salt of penicillin in ready-prepared aqueous suspension*  
Vials of 10 ml. (300,000 i.u. per ml.)

# ‘DISTAQUAINE’ FORTIF brand

*procaine salt plus potassium salt of pen.  
for use as an aqueous suspension  
Vials of 400,000 and 1,200,000 units.*

available from  
Allen & Hanburys Ltd. British Drug Houses Ltd  
Burroughs Wellcome & Co.  
Evans Medical Supplies Ltd.  
Imperial Chemical (Pharmaceuticals) Ltd.  
Pharmaceutical Specialities (May & Baker) Ltd

*'Distaquaine', a trade mark, is the property of the manufacturers*

# THE DISTILLERS COMPANY (BIOCHEMICALS) LIMITED

SPEKE

LIVERPO

The Purchase Tax (No. 5) Order 1952

# VERILOID

*is now free of Purchase Tax*

**N**OW that Veriloid as an Alkaloid of Veratrum Viride is free of Purchase Tax, pharmacists should know the retail prices of its three forms are now as follows:—

#### VERILOID TABLETS

Pt. I. Sch. I.	1 mg.	bottles of 100 tablets 24/-
poison		bottles of 500 tablets 108/-
	2 mg.	bottles of 100 tablets 45/-
		bottles of 500 tablets 204/-

#### VERILOID-VP TABLETS

Pt. I. Sch. IV.	(Veriloid with Phenobarbitone)
poison	Each tablet contains Veriloid 2 mg. with Phenobarbitone B.P. 15 mg.
	bottles of 100 tablets 48/-
	bottles of 500 tablets 216/-

#### VERILOID INTRAVENOUS SOLUTION

Pt. I.	containing 0.4 mg. Veriloid per cc. in
poison	0.25% acetic acid.
	ampoules of 5 cc.
	boxes of 6 30/-

*All prices are less 33½% to the retail Pharmacist. Veriloid may be prescribed on Form E.C.10 and is available from any wholesaler chemist.*

**RIKER LABORATORIES LTD.**  
**KIRKEWHITE STREET, NOTTINGHAM**

Telephone: Nottingham 85007

Telegrams: "RIKER" Nottingham

VERILOID is a Trade Mark of Riker Laboratories Limited, applied to a biologically-assayed fraction of the amorphous alkaloids of Veratrum viride.



# DALMAS

*is always in the news!*

Every week over 21,000,000 people are being told about Dalmas—are seeing Dalmas advertisements in the national press and the leading Women's magazines.



It pays to display and sell Dalmas—the original and best waterproof first aid dressings.

# DALMAS

THE ORIGINAL & BEST

## WATERPROOF

FIRST-AID DRESSINGS

MADE BY DALMAS LTD., LEICESTER & LONDON · ESTD. 182

# PHOTAX

= profit

from

the finest range of  
regularly advertised

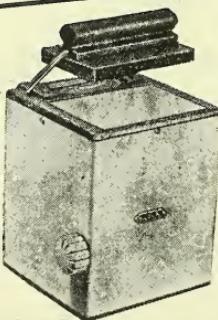
photo-aids

**WRITE** for  
Catalogue,  
Terms, etc.

PHOTAX (London) LTD., 70 CHARLOTTE STREET, LONDON, W.1

Langham 62

A typical item  
'DAINTY' contact  
Printer 39/6



# The Task and the Result

## PROJECT CS. 221/CLB

To devise a pharmaceutical preparation for use in the treatment of chilblains which should :

- relieve irritation promptly
- reduce swelling and redness
- vanish into the skin with the minimum of rubbing on tender areas
- be non-greasy, non-staining and not unpleasant in odour.

## The Result

# \* CHILBAN

CHILBLAIN CREAM

new and efficacious preparation for relieving irritation and swelling arising from broken and unbroken chilblains · Non-greasy ; non-staining antiseptic ; contains no irritating rubefacients · Attractively packed in cartoned boxes supplied in display outers · Free Counter leaflets and Showcard.

**Evans Medical Supplies Ltd · Speke, Liverpool 19**

LONDON · NEWCASTLE · SWANSEA · Agents in Glasgow: The New Apothecaries Company Ltd



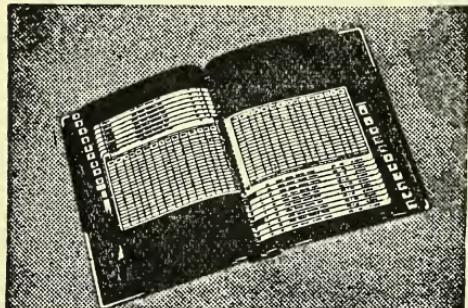
RETAIL :  
per tube 2/9  
including tax.

TRADE : per doz. 18/-  
plus 33 1/3% purchase tax.

# ALL YOUR ACCOUNTS and STOCK POSITIONS at a glance

## VISIBLE RECORDS for CHEMISTS

A chemist's life is one of the hardest . . . so many lines to stock, so many suppliers, so many bills and such small margins of profit!



A chemist needs more book-keeping, stock-taking and clerical records than most other businesses. Yet your business won't support expensive clerical labour. So what is the answer?

First, a neat compact book that will hold hundreds of records. Second, *visible* records that can be seen without searching—and referred to or entered up in a flash.

What sort of records are needed? They vary, of course, with every business. But all chemists want stock-cum-purchase records, complete with prices, discounts, dates, order numbers, etc.—because such a record is the backbone of the chemist's business. He needs to see how stocks are, what lines need re-ordering, what lines are selling well or hanging fire. And he ought to keep track of what money he pays out and what comes in.

The whole difficult problem has now been investigated and the right records created for chemists by chemists. There is a Shannoleaf record especially designed for chemists. It has a visible edge showing the commodity, price, place in shop, etc., and signalled as to whether stocks are high or low, on order, overdue for delivery, etc., and there are columns for dates of orders, order numbers, quantities, prices (wholesale and retail), discounts, cash discounts, carriage, margin of profit, when deliveries are made . . . and so on.

Every good chemist who wants to eliminate inefficiency should learn all about Shannoleaf records. And this is easy enough. Just jot "Shannoleaf for Chemists" on your letter-heading for full details.

**Shannoleaf Systems**

FIRST IN FILING  
THE SHANNON LTD., 122 Shannon Corner,  
New Malden, Surrey

*If* aspirin were freely soluble and bland—

*If* calcium aspirin were stable and palatable—

*That* would be 'Disprin'

'Disprin' provides pure calcium aspirin; yet is in stable, palatable tablet form. It thus overcomes the disadvantages of aspirin, low solubility and acidity, and the defect of calcium aspirin, a liability to decomposition during manufacture and storage. And it thus combines the analgesic, sedative and anti-rheumatic uses of aspirin with the ready solubility and blandness of pure calcium aspirin.

**DISPRIN** REGD. Provides stable, soluble, palatable calcium aspirin

In all conditions which call for up-to-date aspirin therapy, Disprin may be advised and recommended.

50 tablet bottle 3/4; 26 tablet bottle 2/-; flat pocket folders 8 tablets 9d. (all including Purchase Tax).

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Enterprising display  
under glass provides  
protection from  
**POLLUTION & PILFERAGE**

FULL RANGE  
FOR EVERY  
PURPOSE



MADE &  
DELIVERED  
by

**WATERHOUSE**  
*Makers of Fine Shop Fittings*

BULL BRIDGE, ACCRINGTON, LANCS. Tel: ACCRINGTON 4238

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Prepare now for the season of coughs and colds

put **PENETROL** on your order list!

**PENETROL  
INHALANT**

Retail Price :  
2/9 per bottle

**PENETROL  
INHALER**

Retail Price : 2/0d.

**NEW!**

**PENETROL  
VAPOUR RUB**

Retail Price : 1/8d. per jar  
Wholesale : 11/3d. per doz.  
(plus 33 1/3% Purchase Tax)

And never forget

this year-round seller

**MOORLAND**  
ANTACID INDIGESTION TABLETS

One of Britain's best known indigestion remedies. Always in demand.  
In the new, handy roll pack. Retail Prices : 1/1d. per packet of 4 rolls (40  
tablets), 2/od. per packet of 8 rolls (80 tablets) (On P.A.T.A. Protected List)

W. B. CARTWRIGHT LTD., RAWDON, LEEDS.

Hughes

**DEBONAIR**  
 for  
 Christmas  
 presents

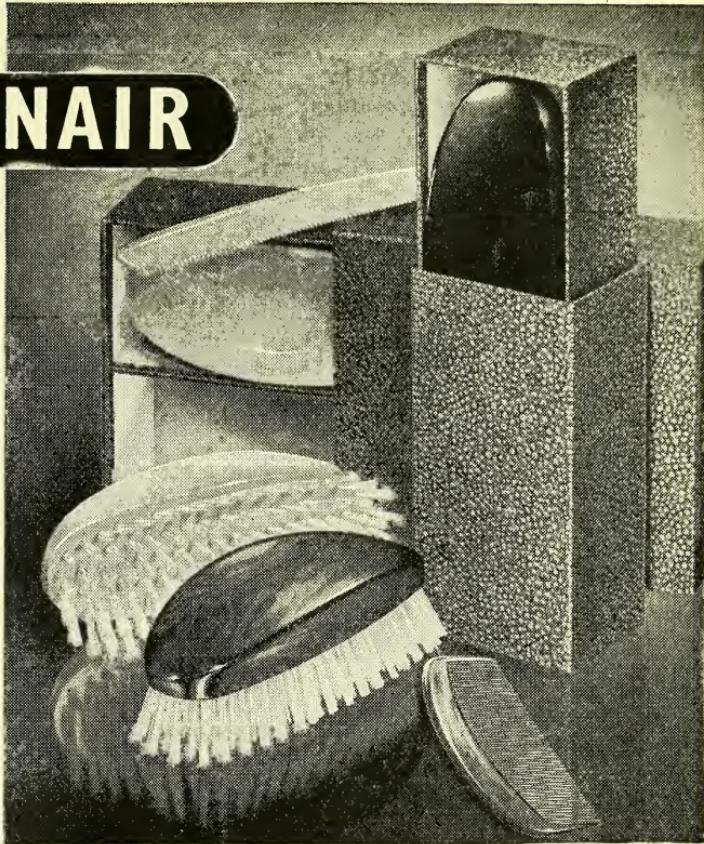
**D**

EBONAIR Brushes for fathers and sons maintain the high standard of design, quality and finish typical of the whole HUGHES range of personal brushes. In imitation ivory, ebony, and tortoiseshell. Pure bristle or nylon. Deep action brushing. Shagreen type container. Retail: nylon 9/9 each, pairs 17/9. Pure bristle 18/9 each, pairs 36/-. Combs 6d.

**Hughes**

**BRUSHES LTD.**

240/242 BATH ROAD, SLUGH, BUCKS. PHONE: SLOUGH 23218



38/90

THE WORD 'COX'  
IS A REGISTERED  
TRADE MARK

OUTSTANDING IN  
THE PHARMACEUTICAL  
INDUSTRY



Ointments

Creams

Pastilles

Suppositories

in **BULK** or **PACKED**

and

SPECIALIZING IN THE MANUFACTURE OF

**PILLS** and **TABLETS**

ENQUIRIES ARE WELCOME

**ARTHUR H. COX & Co. Ltd.**  
**BRIGHTON 7. SUSSEX, ENGLAND**

# 'PERNIVIT' for chilblains

Fallen leaves on the pavement; the icy nip in the morning air; white fingers of frost across the lawn. These are the signs that remind you of Pernivit time.



utilises the vasodilator properties of nicotinic acid and the effect of vitamin K in maintaining normal blood coagulability and vascular permeability.



Pernivit has proved remarkably successful both in treatment and in the prevention of the subsequent reappearance of chilblains.



## PRICES

Bottles of 50 tablets

TRADE

RETAIL

2/-

3/-

*Display cartons containing six bottles*

Bottles of 500 tablets

14/-

21/-



*Special Bonus*

**'ENDRINE'**  
Trade Mark  
NASAL COMPOUND

**14 to the DOZEN**

on a minimum order of 3 dozen 1 oz. size, any variety, during November. With winter almost here together with its attendant colds and nasal catarrh the sale of 'ENDRINE' will be large.

Make the most of this seasonal business by displaying 'ENDRINE', for 14 days to participate in the highly profitable 'ENDRINE' market.

**Your profit is £1.17.0d. on the small outlay of £3.8.0d. (excl. P.T.).**

*Your usual wholesaler can execute your order by return.*

JOHN WYETH & BROTHER LTD.

Clifton House, Euston Road, London, N.W.1

**HEWLETT'S  
TEETHING JELLY**

**"TAKES THE TEARS FROM TEETHING TIME"**

HEWLETT'S Honey-sweetened TEETHING JELLY can be recommended with confidence as a palatable and soothing application for baby's gums.

The complications that frequently accompany teething time are greatly alleviated and the peace and contentment of mother and baby quickly restored.

Cost 12/- per dozen plus 4/- Purchase Tax. Retail 1/10 per tube.

**SPECIAL OFFER. 13 to the dozen during the month of October.**  
Direct or through your Wholesaler.

*Glazed showcard supplied on request with orders of 3 dozen*

**C. J. HEWLETT & SON LTD.**

MANUFACTURING

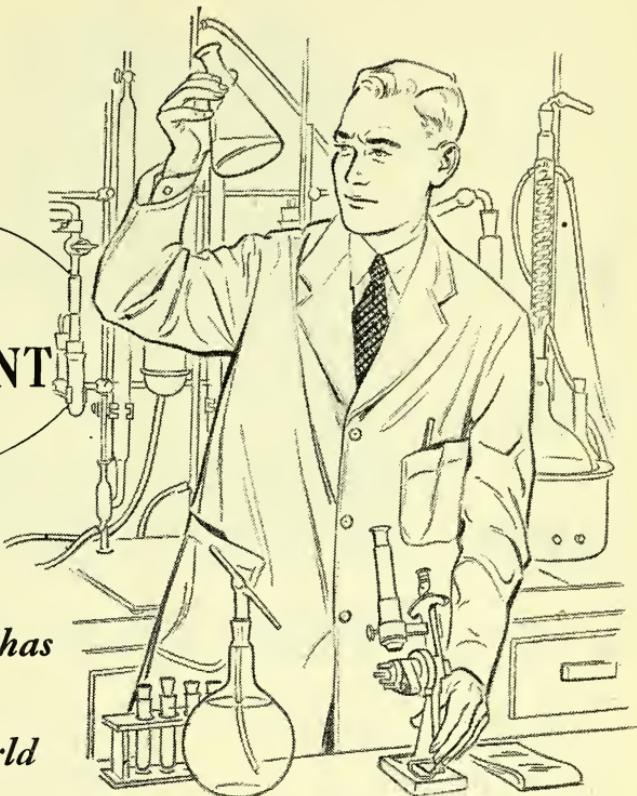
CHEMISTS

35-43 CHARLOTTE ROAD, LONDON, E.C.2

And at 216 ORR STREET, GLASGOW, S.E.

A YEAR OF  
ACHIEVEMENT

*In twelve months  
Roche research has  
made available to  
the medical world*



**'RO-A-VIT'**

The synthesis of Vitamin A. Tablets of 50,000 i.u. in packings of 30 and 200.

**'DROMORAN'**

An analgesic more powerful and longer-acting than morphine. Effective by mouth. Ampoules of 2 mg. in boxes of 6 and 50. Tablets of 1.5 mg. in packings of 20 and 200.

**'RIMIFON'**

Isonicotinyl hydrazine, Isoniazid. First discovered to be effective against T.B. in the Roche laboratories.

Tablets of 50 mg. and 100 mg. in packings of 100 and 1,000. Ampoules (2 c.c.) of 50 mg. in packings of 6 and 50.



OCHE PRODUCTS LIMITED. Welwyn Garden City, Herts



**Here  
they  
are**

## • • • Pick the Winners

*In the weeks and months ahead you'll certainly be hearing a lot about these three NEW products! . . .*

**No. 1** teams with 'Lanolive' Skin Lotion. Both have Chlorophyll—a new point. The Advertising will dramatise this, as well as G-14, the new Anti-Bacterial Compound.

**No. 2** is a "Dark Horse"; a novel Shaving Cream, with a new kind of effect, as well as a most unusual kind of story. Could "stagger the field"!

**BIG National Advertising  
commences early November**

- (1) 'Lanolive' Skin Cream
- (2) 'Lanolive' Brushless Shave
- (3) 'Chloro-Yeast' Tonic Tablets

**No. 3** is a variant of that big Australian success—"Cream of Yeast." Combines Yeast and other medicinals with Chlorophyll. Gives people quick results. You bet they come back for more! 'Chloro-Yeast' also will have sparkling advertising and plenty of it.

### 13 TO THE DOZEN!— For 6 Weeks

For Window and Counter Display. Buy through leading Wholesalers on Bonus Terms now until November 28. (Orders for 'Lanolive' Lotion may be included.) Bonus. Direct retailer-orders to Hampton £6 or over accompanied by Cash—7½% off Goods.

PRICE, EACH, TO PUBLIC, INC. TAX	TAX RATE	PRICE PER DOZEN TRADE, EX. TAX
'Lanolive' Skin Cream, Tubes .. .. 2/3	33½%	15/9
'Lanolive' Skin Lotion, Bottles .. .. 2/6	"	16/8
'Lanolive' Brushless Shave, Tubes .. .. 2/2	"	15/8
'Chloro-Yeast' Tablets Bottles 20 & 45 Tabs. .. .. 2/- & 3/9	"	No. 1 14/4 No. 2 26/10

Order from usual Wholesalers or Main Distributors: SUN ISLAND CHEMICALS Ltd., Thames St., Hampton, M.  
In Association with  
Kathleen Court (England) Ltd.

**"THE COOLTAN PEOPLE"**



# GALENICALS of QUALITY

*Now is the time to review  
your stock for the Winter*

*write for quotation to*

**RICHARD DANIEL & SON LTD**  
MANUFACTURING CHEMISTS  
**MANSFIELD ROAD DERBY** Tel: 48266 (4 lines)  
AND GROSVENOR ST., ASHTON-U-LYNE Tel: 2816 (3 lines)

ATTRACTIVE  
**LABELS**

THOMAS

**WAIDE**

E' SONS LTD

PRINTERS & LITHOGRAPHERS  
OVER 70 YEARS

**CARTONS**  
AND OTHER PRINTED MATTER

# NOTICE TO THE TRADE

A number of hot water bottles, not of our manufacture, have been sent to us with complaints as to quality, under the mistaken belief that they are 'Suba-seal' or 'Suba-maid' hot water bottles made by us.

Genuine 'Suba-seal' or 'Suba-maid' hot water bottles of our manufacture all bear the trade-mark 'Suba-seal' or 'Suba-maid' and are guaranteed by us to be of the highest quality.

**INSIST upon the . . .  
ORIGINAL GENUINE  
SUBA•SEAL OR SUBA•MAID  
HOT WATER BOTTLES**

*manufactured by*

**WILLIAM FREEMAN**  
& COMPANY LIMITED

**SUBA-SEAL WORKS • PEEL STREET • BARNESLEY**

Telephone: BARNESLEY 4081   Telegrams: SUBASEAL, Barnsley



A Product  
of the  
'Ovaltine'  
Research  
Laboratories



On the  
P.A.T.A.

A. WANDER LTD.,  
42 Upper Grosvenor Street,  
Grosvenor Square,  
London, W.I

Standardized to contain in each oz.  
Vitamin A, 1420 i.u.; Vitamin D, 710  
i.u.; Vitamin B<sub>1</sub>, 0.35 mg.; Vitamin  
B<sub>2</sub> (Riboflavin), 0.2 mg.; Niacin (P.P.  
Vitamin), 2.8 mg.; Iron, 3.3 mg. in a  
readily assimilable form.

T.21



## VIMALTOL

### A QUALITY PRODUCT OF MODERN NUTRITIONAL SCIENCE

'VIMALTOL' is a concentrated vitamin food, formulated by and prepared under the control of the 'Ovaltine' Research Laboratories—which are actively investigating problems in nutrition and dietetics. They bring to its manufacture a high degree of scientific knowledge and a meticulous standard of hygiene.

'Vimaltol' contains malt extract, yeast, halibut liver oil, vitamins and iron. Every ingredient used is rigidly tested for purity and quality, the final product being accurately standardized for vitamin content.

'Vimaltol' provides valuable nutrients of undoubtedly assistance to infants, fast-growing children, nursing mothers and to those whose diet is inadequate or unbalanced. It helps to build up strength, weight and the natural powers of resistance. 'Vimaltol' is highly palatable—a decided advantage when recommending it for children.



Here is a towel you should be selling . . .

## VENSILLA

. . . because it is a good quality pure cellulose towel always in demand

### A LINE FOR YOU

Make Vensilla one of your selling lines if you have a demand for a soluble towel—and a good quality soluble towel, too. It is thick, safe, and easily disposed of.

### PURE CELLULOSE

Vensilla is made from pure cellulose, and ensures the maximum absorbency in use. Another feature is the soft knitted cover—this gives the wearer just a little extra comfort.

### **IN GOOD DEMAND**

Made in Standard size, with loops, Vensilla retails at 2/- per packet. It is always in demand and brings assured profits.

### **SILCOT for comfort**

For a cotton-wool towel you cannot do better than sell Silcot. The comfort of Silcot is unsurpassed, the price very competitive. Made in five sizes. Retail prices from 2/3 per packet.

### **SILPAK—new safety loop**

The new safety loop on the cream plastic shield of Silpak cotton-wool towels gives the greatest security to the user. Silpak is made in two sizes—1 and 2. Retail prices, 1/11 and 2/3 per packet.

### **SILCOT SANITARY BELTS**

A good quality line. All-elastic, adjustable, with metal hooks. In attractive cartons—one dozen in display outer.

## VENSILLA

*Soluble Towels*

Made from pure cellulose

MACDONALD & SON LTD., HOPE MILLS, POLLARD ST., MANCHESTER 4

*British-made material  
in bulk quantities*

# Isoniazid

*(Isonicotinyl Hydrazide)*

---

**May & Baker Ltd.**, manufacturers of

Isoniazid, give assurance of

increased supplies to meet the demand

from November onwards.

Your enquiries will be welcomed.

*Supplies are available in*

*500 gm. bottles.*

*1 and 5 kilogram tins.*

*Manufactured by*

**MAY & BAKER LTD**

**D A G E N H A M · E S S E X**

*Associated Houses*

**BOMBAY · LAGOS · MONTREAL · PORT ELIZABETH · SYDNEY · WELLINGTON**

*Branches and Agents throughout the World*

**SUMMER SALES UP 100% ... SO**

**WINTER DEMAND  
ALL RECORDS for  
*Velvet***

**HANDKERCHIEF TISSUES *in the***

**POCKET PACK**

**1951**

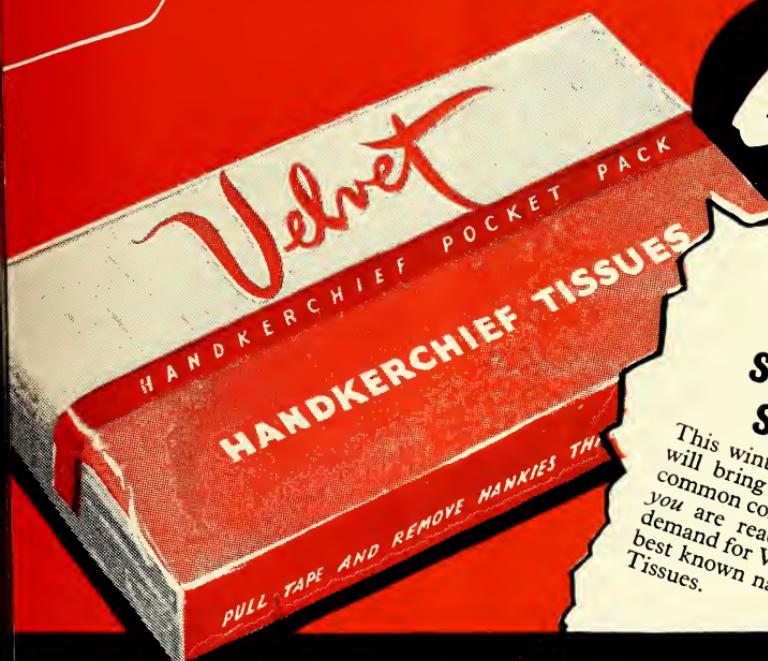
Manufactured by  
Velvet Crepe Paper Co. Ltd.  
Alperton Mills, Alperton, Middlesex  
Phone: WEMbley 2258-9



# MUST BREAK

1952

Compared with 1951 the sales of Velvet Pocket Packs in the months June—September have **MORE THAN DOUBLED**. Think of it—such rapid and continuous gain in public favour means that the demand this winter will be greater than ever before.



4<sup>d</sup>

**SOON—  
Season of  
SNIFFS and  
SNEEZES**

This winter, like any other, will bring its full quota of common colds. Make certain you are ready to meet the demand for Velvet—the best known name in Tissues.

**WHEN THEY SEE IT... YOU SELL IT, PUT IT ON THE COUNTER**

A reminder-value of a box of pocket packs on the counter ensures even greater sales. This handy pack is something people often purchase just to keep by them: once they've discovered its convenience they come back for more.

# MONSANTO

*—for fine chemicals  
with a fine reputation*

Monsanto has been prominent in the fine chemical field since the first world war. Today, Monsanto can offer the pharmaceutical industry a reliable, high-quality range of chemicals, backed by equally dependable research, technical and commercial services.

For full details, write General Chemicals Sales Dept.,  
Monsanto Chemicals Limited, Allington House, London, S.W.1

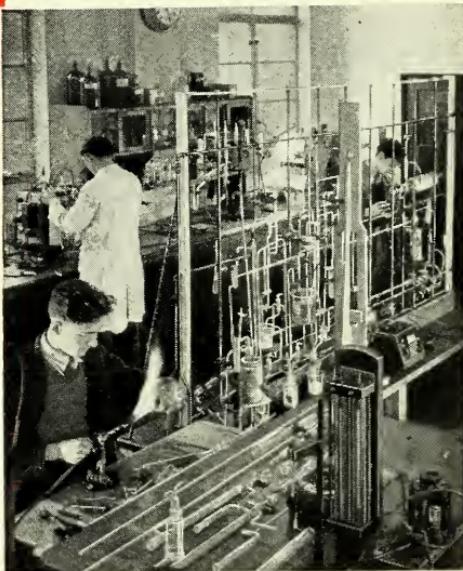
**MONSANTO CHEMICALS LIMITED, ALLINGTON HOUSE, ALLINGTON ST., LONDON, S.W.1**

**MONSANTO'S FINE  
CHEMICAL RANGE includes:**

- ASPIRGRAN** ●
- (Granular aspirin for direct tabletting)
- ACETYL SALICYLIC ACID BP** ●
- METHYL SALICYLATE BP** ●
- SODIUM SALICYLATE BP** ●
- SALICYLIC ACID BP** ●
- SALICYLIC ACID TECHNICAL** ●
- PHENOL BP** ●



- PHENACETIN BP** ●
- BENZOIC ACID BP** ●
- PHENOLPHTHALEIN BP** ●
- SALICYLAMIDE** ●
- SODIUM BENZOATE BP** ●
- P.C.M.X.** ●
- P.C.M.C.** ●
- CRESANTOL-15** ●
- CRESANTOL-3** ●



*Constant new development at Monsanto's laboratories maintains the Monsanto tradition of service to every industry.*

**MONSANTO**  
CHEMICALS - PLASTICS

In association with:—Monsanto Chemical Company, St. Louis, U.S.A.  
Monsanto Canada Ltd., Montreal. Monsanto Chemicals (Australia) Ltd., Melbourne.  
Monsanto Chemicals of India Ltd., Bombay.

Representatives in the world's principal cities.

*New!*

Johnson's Baby  
DE LUXE



A DISPLAY SUGGESTION  
You will find that the  
Boxes sell quickly if you dis-  
one of them open as in  
photograph, but with a p-  
ticket attached.

Johnson  
(G.T. BRITAIN)

# Gift Box

## A BEST-SELLER FROM THE DAY OF ITS BIRTH

Just at the right moment of the year comes the perfect gift for a new baby—and a very profitable line for the chemist. Supported by illustrated editorial in the foremost women's journals, there will be a very big demand during the Christmas season.

**Retail Selling Price 22/6  
Profit on Cost — nearly 50%**

In a sturdy blue or pink compartmented box which will be used as a baby's toilet case, are the established Johnson's Baby Products—powder, lotion, cream, baby soap and baby brush. But that's not all. There are so a baby's weight card and a copy of



*A BABY'S TOILET*, the most up-to-date handbook of all. Written by a famous authority on babycraft, this book is the last word on baby's toilet and on toilet training.

The cost of the Johnson's Gift Box to you is 4d. plus 4 1d. purchase tax. It retails at 6d. giving *A PROFIT OF 6 1d. OR EARLY 50% ON COST*.

Order your Johnson's Baby Gift Boxes at the best opportunity. They will be big sellers all the year round, but obviously Christmas will be a huge demand. During initial distribution the minimum order will be two boxes, one pink, one blue.

**Johnson**  
SLOUGH



## THE CAPTIVE CAP

*for the most famous  
Baby Powder in the world*

Good News! All difficulties in getting Johnson's Baby Powder with the new captive sprinkler top are ended. Supplies leaving the factory—including those in the Johnson's Baby Gift Boxes—will now all have the improved captive tops.

★ ★ ★ ★ ★ ★ ★

**Johnson & Johnson's**

## SURGICAL DRESSINGS

As pioneers in the application of Lister's principles of antisepsis to surgical dressings, the Johnson & Johnson Company have become the largest manufacturers of surgical dressings in the world.

Our unrivalled technical and manufacturing facilities inevitably make us a main source of supply not only for the Home but for Her Majesty's Forces, Hospitals and the National Health Service, and the operation of these priorities has made it hard at times to meet *all needs* absolutely at any one moment. But this situation is now rapidly improving as our production is yet further stepped up to give *faster delivery and full delivery* of Johnson & Johnson Surgical Dressings to the Retail Chemist whose co-operation we so greatly value.

**COTTON WOOL · BANDAGES · LINTS · GAUZES  
SWABS · SURGICAL FABRICS · DRESSINGS  
RIGID AND ELASTIC ADHESIVE PLASTERS  
K-Y LUBRICATING JELLY and many other**

# VELVET for VALUE

Four fine toilet tissues  
at competitive prices—

all best-sellers in their own field.

6 d

### PRESTO

NOW—a sulphite toilet roll for only 6d. Excellent quality tissue, with attractive colour wrapper—ideal for display.



9 d

### HERMES

Now even bigger. A sulphite roll of superior tissue weighing approximately 6 ozs. A long established favourite—to-day's best value anywhere.



1/-

### VELVEX

Twin Packs of top quality toilet tissue—now both at the same price. Roll—fully wrapped and sealed. Approximately 7 ozs. Interleaved Pack in standard container—now with 250 sheets.



VELVET CREPE PAPER CO. LTD.,

ALPERTON MILLS, ALPERTON, MIDDLESEX

Show these  
NOW as  
press  
advertising  
boosts  
sales!

As already announced, Potter & Clarke's new Sales Policy concentrates upon twelve popular lines which are available now only through wholesalers.

# Potter's

are also making a "big splash" with an impressive programme of

## BIG-SPACE ADVERTISING

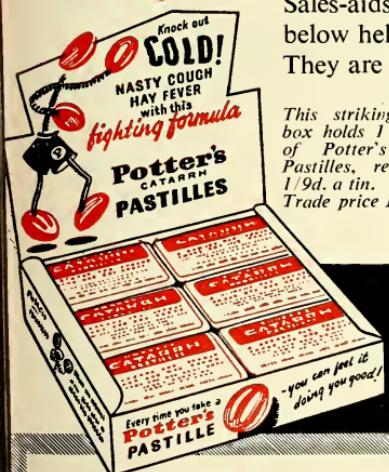
### ON A NATIONAL SCALE

for their two mass-sellers POTTER'S CATARRH PASTILLES and POTTER'S ASTHMA REMEDY. In daily and weekly newspapers and the big-circulation magazines, carefully-planned advertising campaigns will keep on getting results.

Sales-aids like the eye-catchers shown below help to round off the good work. They are ready for you NOW!

This striking display box holds 1 doz. tins of Potter's Catarrh Pastilles, retailing at 1/9d. a tin. Trade price 11/- a doz.

1 doz. tins of Potter's Asthma Remedy are displayed in this coloured container. Retail price is 3/- a tin. Trade price 22/- a doz.



THROUGH  
WHOLESALE  
ERS  
only



**POTTER & CLARKE LTD**

RIVER ROAD · BARKING · ESSEX

Telephone: RIPPleway 3041



NOTE NEW ADDRESS

**THEOPHYLLIN 'RHODIA' Brand**

**AMIDOPYRINE 'RHODIA' Brand**

**QUININE SALTS 'AMSTERDAM'  
& 'MAARSSEN' Brand**

**ICHTHAMMOL B.P. 'SAUROLO' Brand**

**ZINC OXIDE B.P. 'BARKING'**

**SPOT DELIVERY OR ON CONTRACT**

**R. W. GREEFF & Co., Ltd.**

**12 FINSBURY CIRCUS, LONDON, E.C.2**

Telegrams: GREEFF AVE LONDON.

Telephone: LONDON WALL 5241



# ADVERTISING BEGINS NOVEMBER 17th

Heavy advertising starts on Nov. 17th in the National daily, Provincial and Sunday press, and in popular Women's Magazines, and Health papers. By November 18th, 35,000,000 people will know about this remarkable food supplement.

\* **MAKE SURE YOU ARE READY TO SUPPLY DEMAND**

**74% PROFIT ON OUTLAY**

**INTRODUCTORY  
BONUS OFFER**

A special bonus offer of 15% over and above the regular terms is being made to retail chemists until October 31st in return for a 14 day window display of Vita-Yeast. For example here are two specimen Bonus Orders

### ORDER 'A'

1 doz. 3/- size (5 ozs.) } or  
 $\frac{1}{2}$  doz. 5/6 size (10 ozs.) } equivalent

Your net buying price . . . £1.19.8  
 Your selling price . . . £3.9.0

### NET PROFIT

or 74% on outlay £1.9.4

### ORDER 'B'

3 doz. 3/- size (5 ozs.) } or  
 $\frac{1}{2}$  doz. 5/6 size (10 ozs.) } equivalent

Your net buying price . . . £4.1.2  
 Your selling price . . . £7.1.0

### NET PROFIT

or 74% on outlay £2.19.10

Order 'A' is the minimum which can be accepted to qualify for the Bonus Terms.

**THIS OFFER CLOSES OCTOBER 31st**

FROM J. C. ENO LIMITED, WATFORD, HERTS, SALES AGENTS FOR IRVING'S YEAST VITE LTD.

★ YOUR **BIG** SALES OPPORTUNITY OF 1952

**YESTAMIN** Bonus Offer gives you  
**70% RETURN ON OUTLAY**  
 if you order before Nov. 22, 1952

Supported by arresting large-scale advertising in the 'Daily Mirror,' 'Daily Graphic,' 'News Chronicle' and 'Daily Herald' — in the period Oct./Nov. appearing in addition to **YESTAMIN'S continuous year-round national advertising** — the **YESTAMIN Special Bonus Parcel** offers you a return on your outlay of over 70%! This outstanding offer gives you the finest incentive to stock up with **YESTAMIN** in readiness for the increased business which will come your way as a result of **YESTAMIN'S** great sales drive.

**YESTAMIN STEPPED-UP AUTUMN ADVERTISING SUPPORTS THIS  
 OUTSTANDING BONUS OFFER**

**The YESTAMIN Special BONUS Parcel**

**Retail Price £6 · 16 · 6 — Cost to you £4**

6 x 3/- YESTAMIN Powder 8 oz.	...	...	£0 · 18 · 0
6 x 5/- YESTAMIN Powder 16 oz.	...	...	1 · 10 · 0
1 doz. 1/3 YESTAMIN Tablets 50's	...	...	0 · 15 · 0
2 doz. 1/10 $\frac{1}{2}$ YESTAMIN Tablets 100's	...	...	2 · 5 · 0
6 x 4/9 YESTAMIN Tablets 300's	...	...	1 · 8 · 6
			<hr/>
			£6 · 16 · 6

Orders for quantities other than the Bonus Parcel reaching us before November 22, 1952 will be supplied at special trade terms giving an ADDITIONAL DISCOUNT OF 10% FOR CASH WITH ORDER.

50 YESTAMIN Tablets retail 1/3 ... Trade 10/6 per doz.  
 100 YESTAMIN Tablets retail 1/10 $\frac{1}{2}$  ... Trade 15/9 per doz.  
 300 YESTAMIN Tablets retail 4/9 ... Trade 40/- per doz.  
 YESTAMIN Powder 16 oz. retail 5/- ... Trade 42/- per doz.  
 YESTAMIN Powder 8 oz. retail 3/- ... Trade 25/- per doz.  
 BOTH THESE OFFERS DEFINITELY CLOSE NOVEMBER 22, 1952

USE COUNTER AND WINDOW DISPLAYS TO LINK UP WITH **YESTAMIN'S** GREAT AUTUMN SALES DRIVE · **FOR BIG SALES IN THIS GROWING MARKET — STOCK, DISPLAY AND RECOMMEND**

**YESTAMIN** DAILY YEAST

Address your orders to: THE ENGLISH GRAINS CO., LTD., SHOBNALL ROAD, BURTON-ON-TRENT

Announcing

# 'MINEL'

## A NEW AID TO HEALTHY LIVESTOCK

Prepared to meet a long-standing farming need

**'MINEL'** is a combination of phenothiazine and hexachloroethane.

**'MINEL'** clears parasitic worms and liver fluke from cattle and sheep.

**'MINEL'** also contains the vital trace elements, copper and cobalt, which are absolutely essential to livestock.

**'MINEL'** is being extensively advertised in National Farming Journals, county weeklies, and selected N.F.U. Journals.

It is a product the farmer will welcome. It saves his time, it saves his animals. It ensures that fodder is turned into milk and meat. It fulfils a very real need and will meet with a ready response.

Literature and show material are readily available. Order supplies now from your wholesaler.

# 'MINEL'

COMBINED WORM AND  
FLUKE REMEDY  
(with trace elements)

Available in tins of 1 lb. and 7 lb.



MPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED

subsidiary company of Imperial Chemical Industries Limited

Wilmslow, Manchester

# MASON PEARSON

This hairbrush with the famous name is the subject of a new advertising campaign in national and women's publications. Once again its unique qualities are being brought to public notice, and increased sales are sure to follow. To the trade those qualities are too well known to need fresh recommendation. Stockists are strongly advised to ensure that they have ample supplies to meet the forthcoming extra demand.



Retail prices  
now range  
from  
**14/6**  
to 55/-

Mason Pearson  
Brothers  
70 Piccadilly  
London, W.1

# GLANOID

*The Armour  
Laboratories  
are pleased to  
announce*

# AMFAC GLANULES

*are now  
freely  
available*

THE ARMOUR LABORATORIES

(ARMOUR & COMPANY LTD)

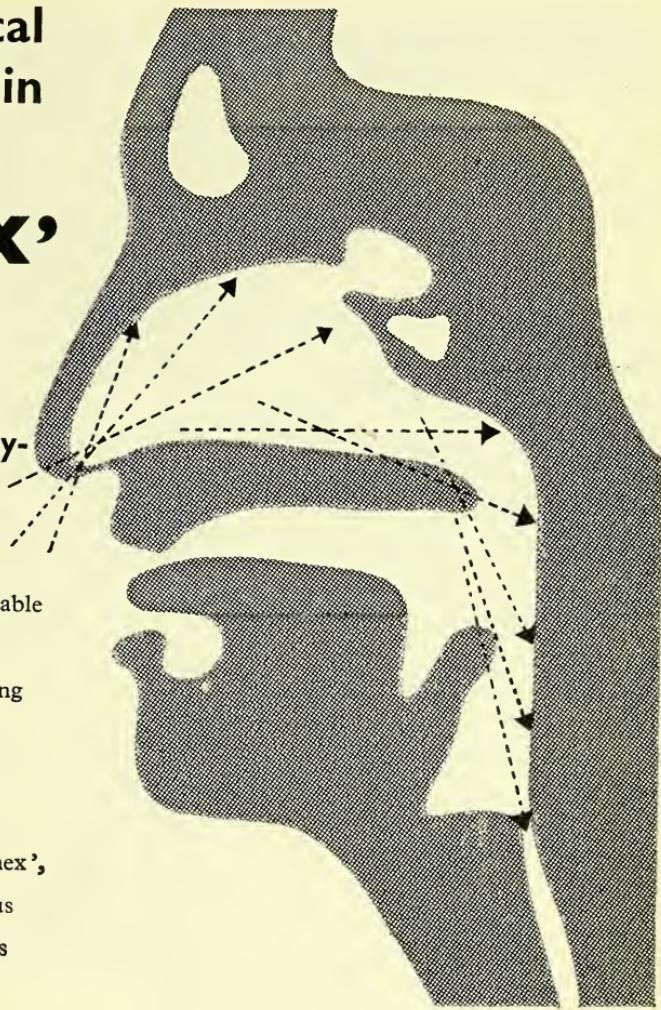
LINDSEY STREET LONDON E.C.1

Telephone: Clerkenwell 9011  
Telegrams: "Armosata-Phone," London

# Effective local penicillin therapy . . .

## ‘PENDEX’

the penicillin-  
vasoconstrictor  
combination for  
upper respiratory-  
tract infections



‘PENDEX’ presents in a stable  
aqueous solution

... the potent and penetrating  
antibacterial action of 1,500  
units of penicillin per ml.

... the rapid and prolonged  
vasoconstriction of ‘Paredrinex’,  
which shrinks the oedematous  
and engorged tissues and aids  
the penetration of penicillin  
throughout the nasal cavity.



is indicated in the intranasal treatment of  
sinusitis  
rhinitis  
and nasopharyngitis

‘Pendex’ is available, on prescription only, in 15 ml. bottles with dropper

Further information is available to pharmacists, on request

MENLEY & JAMES, LIMITED, Coldharbour Lane, London, S.E.5

T.F. 147

INSIST ON



*Flexoplast*  
REGD  
BRAND

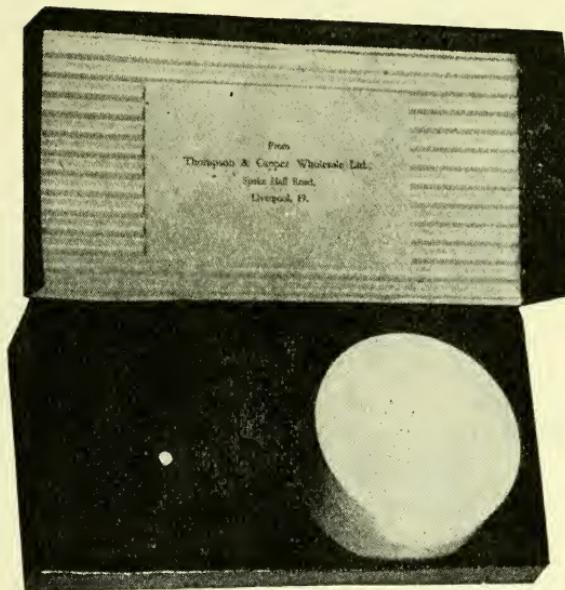
## ELASTIC ADHESIVE BANDAGES



- Non-Fray — Non-Fluffy Woven edged.
- Conveniently packed in tins 2" x 3 yds., 2½" x 3 yds. or 3" x 3 yds.
- In constant demand by leading hospitals and institutions.

A product of

**EDWARD TAYLOR LTD. • MONTON • LANCS**



We manufacture tablets of all types and shapes and sizes, whether they be Chemicals, Pharmaceuticals, Drugs, Proprietaries, Pre-form Plastics, Inflation Pellets, Food-stuffs, Confectionery, Soups, Vitamins, Tea Tablets, Salt Tablets, Pea Steeping Tablets.

We should be glad at any time to carry out experiments for you, should you have any material which you would like to see in tablet form.

This illustration will give you some idea of the great capacity and versatility of our tablet compressing plant.

**THOMPSON & CAPPER**  
WHOLESALE LTD.  
SPEKE HALL ROAD,  
LIVERPOOL, 19

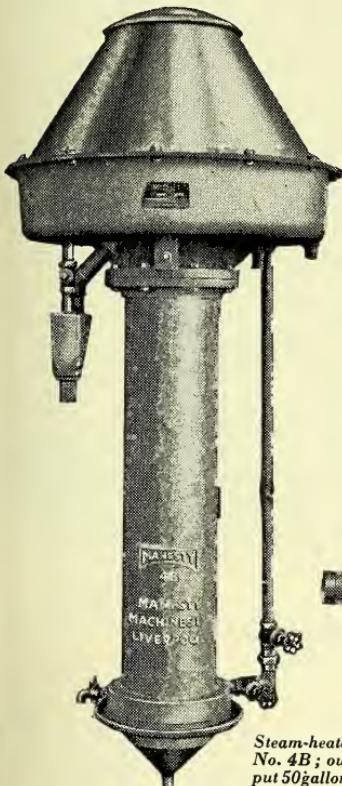
# SELL Owbridge LINES

The familiar **OWBRIDGE'S LUNG TONIC** and two new profitable lines — write now for full price-list



**W · T · OWBRIDGE LTD · OSBORNE STREET · HULL**

# Do YOU use distilled water? Then make your own with a



Steam-heated  
No. 4B; out-  
put 50 gallons  
per hour.

MANESTY Machines and  
Stills are now used in over 60  
countries

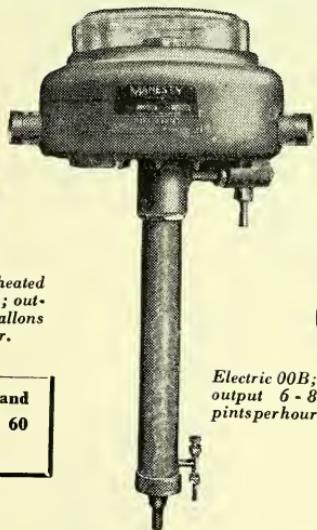


## AUTOMATIC WATER STILL

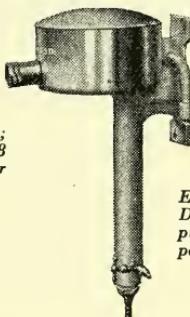
Have YOU ever studied the many advantages of making your own distilled water? With your own equipment you can always be sure of a perfectly pure supply—immediately available for your every need. Your costs can be reduced—with a MANESTY Still they are extremely low. Handling, transport and storage charges can be eliminated. MANESTY Stills are entirely automatic and are supplied for operating with electricity,

gas, paraffin or steam—outputs range from 2 pints to 50 gallons per hour. Each model is fitted with a wall bracket, so that floor space is conserved.

*Write today for illustrated leaflets.*



Electric 00B;  
output 6-8  
pints per hour



Electric  
Destil; out-  
put 2 pints  
per hour

**MANESTY** **MACHINES** **LIMITED**

DEPT. 5

SPEKE

LIVERPOOL 19

Telephone: Hunts Cross 1972 - - -

Telegrams: Manesty Liverpool 19

TABLET MACHINES • COATING PANS • GRANULATORS • MIXERS • PUNCHES & DIES

pure soap—no perfume  
no colouring—no fillings

THAT'S  
"SIMPLE"  
SOAP

SALES ARE RAPIDLY GROWING

Be prepared by holding a stock and take  
your share of this rapidly expanding line.



The Lily — the symbol of  
Purity

Advertising is regularly appearing in a  
wide range of Medical and Nursing  
Journals.

AMPLE SUPPLIES — PROMPT DELIVERIES

Good Profits — reasonably priced. 6/- per dozen, plus 2/- P.T. Retail price 11d.,  
showing a profit of 3d. per tablet.

AVAILABLE THROUGH WHOLESALERS

Or Direct

THE ALBION SOAP CO., LTD., 30-2 THAMES STREET, HAMPTON, MIDDX.  
Makers of the world famous Albion Milk and Sulphur Toilet Soap.

**DISPEL**

**sells for 2/-**

**BONUS OFFER**



ADVANCE INDUSTRIES LTD.  
Associated with the  
British Permanent Starch Co. Ltd.,  
87, Regent Street, London, W.1.  
(REGent 3955)

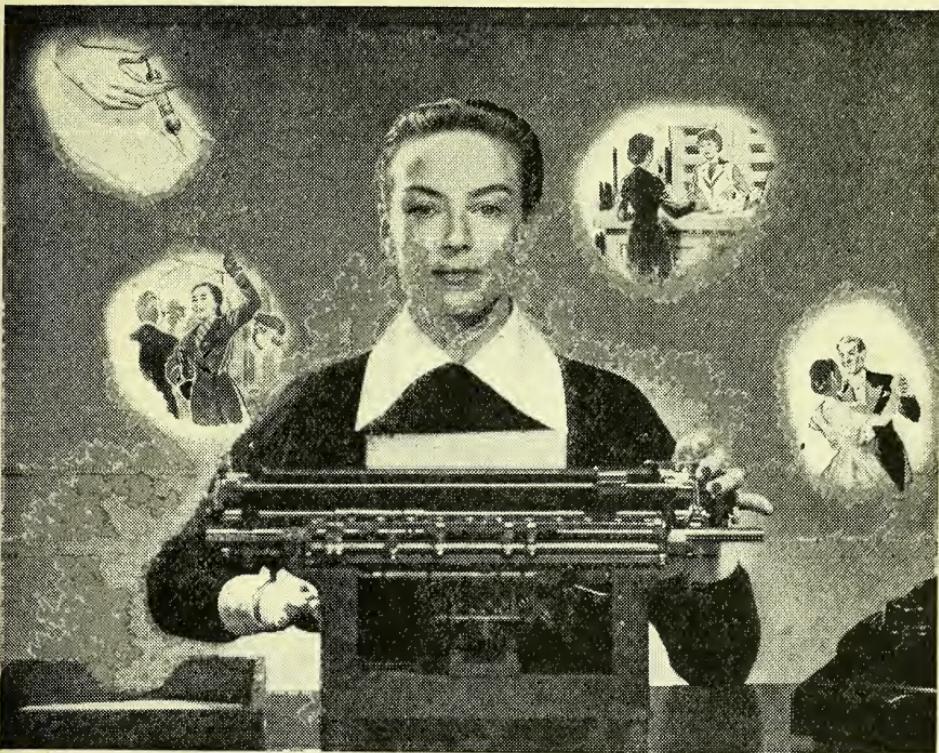


**CLOSES OCTOBER 31st**

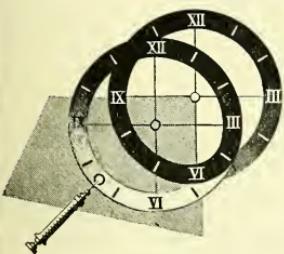
Display case of 6 bottles FREE  
in every case of 3 dozen DISPEL  
(not refills) ordered from your  
wholesaler before 31st. Order  
today or write us giving whole-  
saler's name and address.

WATCH THE DAILY MAIL  
October 28th!

ALSO DAILY EXPRESS  
and DAILY MIRROR  
November 3rd



## LIFE and the diabetic . . .



Save for a few simple routine measures, the diabetic's daily life need differ little from that of any other person. Indeed, in many cases a single daily dose of Globin Insulin suffices to control blood sugar satisfactorily from one morning to the next. The action of this intermediate insulin is prompt and strong by day, reaching its peak when most required; but diminishes by night, thus obviating bedtime meals. Nocturnal insulin reactions are rare.

## WELLCOME' GLOBIN INSULIN

(WITH ZINC)



BURROUGHS WELLCOME & CO. (*The Wellcome Foundation Ltd.*) LONDON

**PASTILLES  
LOZENGES  
CAPSULES  
OINTMENTS**



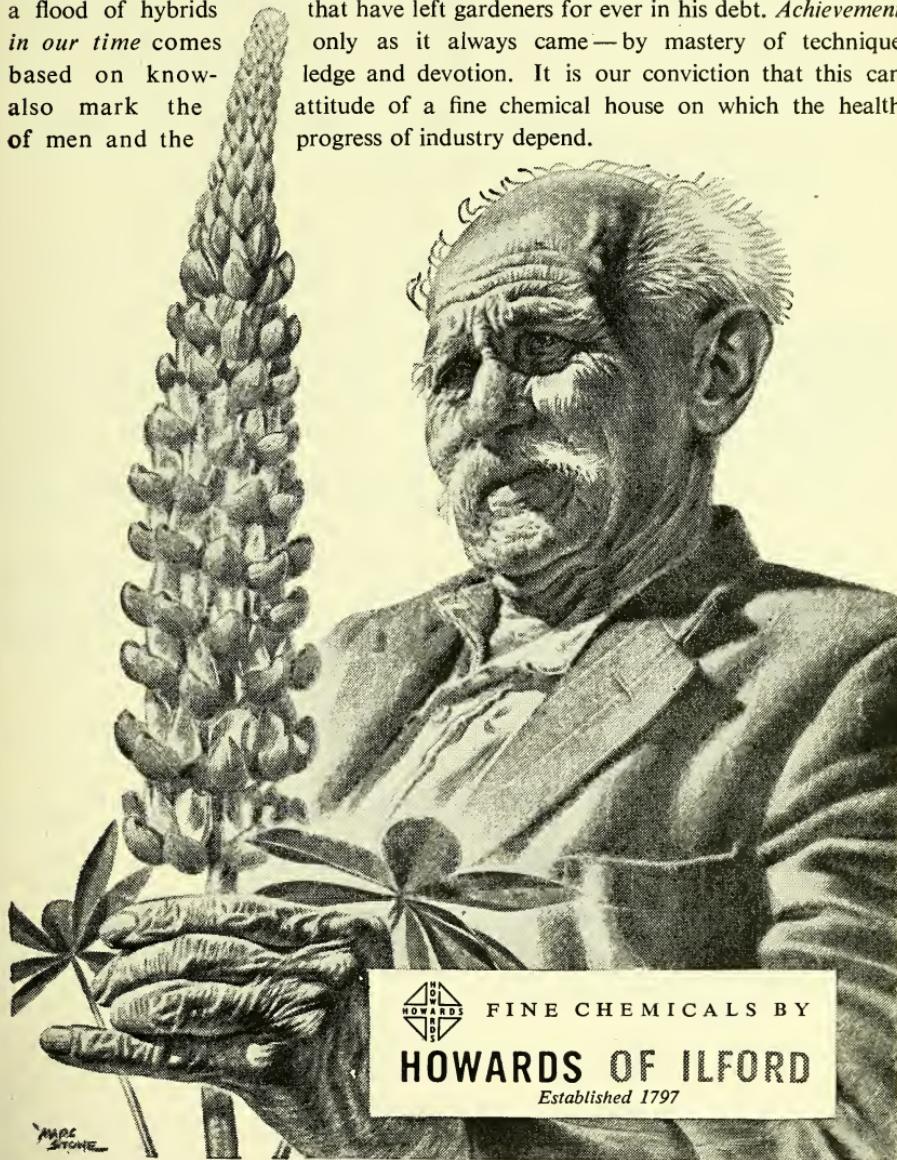
... Our Job is  
the Manufacture  
and Packing of  
These Goods

... we do it well,  
as we should—  
after so many  
years experience

OUR ORGANISATION IS ALWAYS  
AT YOUR SERVICE

**WARRICK BROS. LTD.  
WARREX LABORATORIES  
LONDON, N·1**

**Achievement in our time** 'If you would see my monument look around you'. That is a proud epitaph indeed, and it might stand in any modern garden to mark the achievement of George Russell. For this great lover of flowers and wisely simple countryman has enriched the herbaceous border with the glorious Russell Lupins. With green and loving fingers he coaxed out of the plain blue flower a flood of hybrids that have left gardeners for ever in his debt. *Achievement in our time* comes only as it always came—by mastery of technique based on knowledge and devotion. It is our conviction that this can also mark the attitude of a fine chemical house on which the health of men and the progress of industry depend.



FINE CHEMICALS BY  
**HOWARDS OF ILFORD**  
*Established 1797*

ASPIRIN · AVANTINE · BROMIDES · CITRATES · ETHERS · HEAVY MAGNESIAS  
IODIDES · LACTATES · QUININE · SALICYLATES · TABLETS · THYMOL

TBW/AS

**"Eagle" Brand Chemicals**

B.P.  
PRECIPITATED  
SULPHUR

PHOTOGRAPHIC  
**H Y P O**  
AND  
**S U L P H I T E**  
— CRYSTALS and ANHYDROUS —  
EPSOM SALTS  
GLAUBER SALTS  
ARSENICATE OF LEAD

Enquiries Invited

**JOHN RILEY & SONS, LTD.**  
Chemical Manufacturers  
HAPTON near BURNLEY

Telegrams:  
"Rileys Hapton"

Telephone:  
Padiham 290/1

JKL

**IPECACUANHA B.P.****JABORANDI****PAPAIN****BALSAM TOLU**

Genuine Imported

★

and all other  
Botanicals, Gums, Waxes,  
Essential Oils and Spices**JOHN KELLYS (LONDON) LTD.**

Gresham House, 24 OLD BROAD STREET, E.C.2

Telephone: London Wall 4882, 6585, 6586

Telegrams: "Ergotine Stock, London"

Branches in New York and Hamburg

# TANNIC ACID

AND DERIVATIVES

(Bulk  
Supplies  
Only)

THE BRITISH DYEWOOD COMPANY LIMITED  
19 St. VINCENT PLACE GLASGOW, C.1

**BURNSIDE'S EUCALYPTUS OILS**

Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils in the world.—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA

80/85% B.P.

Oil Euc. Dives 40/45%

Oil Euc. Citriodora

70/75% B.P.

Piperitone 90/95%

Oil Euc. Phellandrea

. . . . Phellandrene . . . .

UNIFORMITY OF QUALITY

. . . . CONSISTENCY OF ODOUR

Agents for U.K.: **WILSON & MANSFIELD, LTD., 15 Philpot LANE, LONDON, E.C.3**

Phone: MANSION HOUSE 9264-5-6

(WHOLESALE ONLY)

Grams: WYFIELD LONDON

# NIPASOL-M

Regd. Trade Mark

B.P.C. STANDARD

The original British made preservative and antiseptic with its wide use for pharmaceutical and cosmetic products.

*Our Service Dept. will gladly co-operate with you on all technical problems.*

**NIPA LABORATORIES LTD**  
TREFOREST TRADING ESTATE  
Nr. CARDIFF TEL: TAFFS WELL 128 & 150

*Sole Distributors for the United Kingdom:*

**P. SAMUELSON & CO.** Roman Wall House, 1 Crutched Friars, E.C.3. Tel: ROYal 2117/8

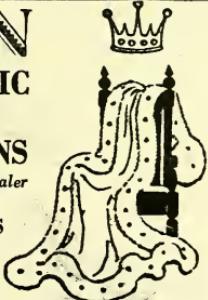
## GUM TRAGACANTH

**GUM KARAYA**  
WHOLE AND POWDERED

**M. HAMBURGER & SONS**  
DIRECT IMPORTERS  
Plantation House  
MINCING LANE, LONDON, E.C.3  
Telephone: MANSION House 4405 (3 lines)

## QUEEN NON-ALLERGIC TOILET PREPARATIONS

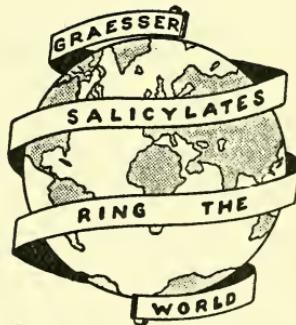
Available from your Wholesaler  
or direct from the makers  
**BOUTALLS CHEMISTS  
LIMITED**  
60 Lamb's Conduit Street,  
London, W.C.1



THE  
SYMBOL  
OF



QUALITY  
AND  
SERVICE



Aspirin Salicylates  
and Allied Products

**Graesser Salicylates Ltd.**  
**SANDYCROFT**  
Phone: HAWARDEN 2125

**NEAR CHESTER**  
Grams: Quality Chester



# The BEATSON MEDICAL

A bottle of quality. The retention of the vial lip for easy pouring is combined with all the advantages of modern design, including the elimination of internal sharp corners allowing rapid dispersal of sediment.

\* Plain or Graduate  
Cork Mouth or Screw Cap

**BEATSON, CLARK & CO. LTD**

MANUFACTURERS OF CHEMICAL AND MEDICAL GLASS  
ROOTHERHAM • Established 1751 • YORKS.

BC. 68



for  
fine chemicals

especially:

ASPIRIN B.P. "FRE-FLO"

CITRIC ACID B.P.

SALICYLIC ACID B.P. & TECH.

SODIUM SALICYLATE B.P.

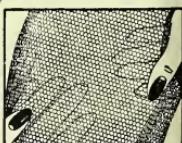
TARTARIC ACID B.P.

VANILLIN 100%

**BEST SELLER  
BY FAR . . .**

Lastonet has become easily the most popular surgical stocking on sheer merit. Get the most out of this expanding trade by making a bold show of Lastonet display material and keeping a stock of measurement forms. Both are available on application.

MADE ONLY  
TO MEASURE



**Lastonet**

E-L-A-S-T-I-C

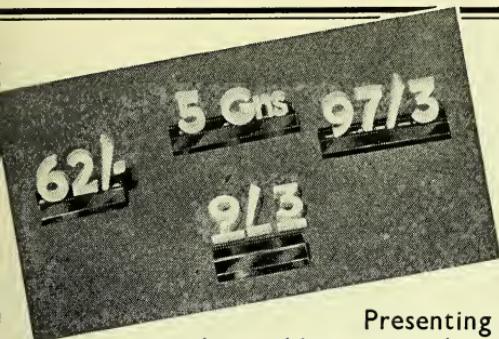
FEATHERWEIGHT NET STOCKING

© 5 LASTONET PRODUCTS LTD., Carn Brea, Redruth, Cornwall.

**H. W. GRAESSER-THOMAS LTD**

49 LEADENHALL STREET,  
LONDON, E.C.3

TELEPHONES: ROYAL 3011-6111



## KENNETT INTERCHANGEABLE PRICE MARKERS MARK YOUR PRICES THE MODERN WAY

Presenting a new, beautifully designed, interchangeable price marker ideal for the chemist and druggist.

Consisting of solid white moulded numerals  $\frac{1}{2}$ " high and  $\frac{1}{10}$ " thick which slot into and are firmly held by a V shaped slot in a black plastic base.

Small, but solidly made, this price marker is practically unbreakable and will last a lifetime.

Sets from £2.4.0d. to £8.13.0d.

*Don't miss this opportunity to solve your price marking problems for all time. We will gladly send you a leaflet and free sample on request—write to-day.*

**KENNETT PRICE MARKERS 3 City Road, Winchester, Hants.**

## CORK LINED SLEEVES CORRUGATED PULL-THROUGH BOXES

**Compressed Paper Packing Limited**

Horton Road - West Drayton - Middlesex

Telephone: WEST DRAYTON 2237

PIFCO for PROFIT

PIFCO LTD.  
WATLING STREET, MANCHESTER 4

FAMOUS IN LABORATORY CIRCLES

POSTLIP  
MILL 633

EVANS, ADLARD & CO LTD • WINCHCOMBE • Glos.

=GNOME=

The  
'ALPHA  
DE LUXE  
ENLARGER

$2\frac{1}{2} \times 3\frac{1}{2}$

★  
MANY NEW  
FEATURES

from  
£15.7.6  
including lens and tax

Write direct to  
manufacturers  
for details

GNOME PHOTOGRAPHIC PRODUCTS LTD.  
354 CAERPHILLY ROAD, CARDIFF



## VULFIX SERVICE SHAVING BRUSHES

Obtainable through all wholesalers

New Price Reductions, supported by national advertising, ensure heavy demand for these popular "VULFIX" brushes. Made of pure bristles, each brush carries a two year guarantee.

Now retail at 3/11d., 5/11d., 6/9d., 8/6d., 10/6d., 12/6d., 21/-.



THE BRUSH WITH THE  
TWO YEARS GUARANTEE

**VULFIX "Service" PURE  
Shaving BRUSHES**

THE PROGRESS SHAVING BRUSH CO. LTD.

107ram Street, Stockport Phone: STOCKport 2147 • 49 Leadenhall Street, London, E.C.3 Phone: ROYAL 2857

## REDUCED PRICES

of

## MENTHOL CONES

PACKED in  
TRACTIVE DISPLAY BOXES  
ONE DOZEN. B. P. quality.

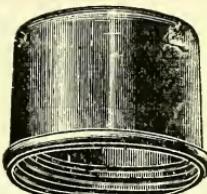


FIG. 378

### TALL SHAPE

Supplied in four sizes

7/6 — 7/9

8/9 — 9/6  
per dozen

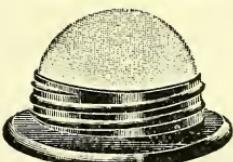
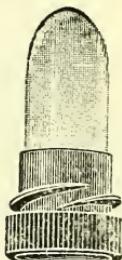


FIG. 374

### SQUAT SHAPE

Supplied in two sizes

9/6 — 10/9  
per dozen



FREE FROM PURCHASE TAX

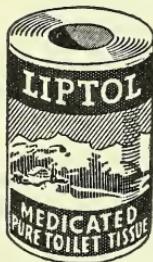
FROM YOUR USUAL WHOLESALER, OR IN CASE OF DIFFICULTY APPLY TO US DIRECT

**J. FECHER, LTD., 175 Bath Road, SLOUGH**

Phone:  
SLOUGH 21864

# Retails at

The **LIPTOL** **6<sup>D</sup>**  
**FINE SEMI-CREPE**  
**TOILET**  
**ROLL**



(Attractively Banded)  
 WHOLESALE:  
**54/- per gross**  
 carriage paid  
 (Sample on request)

★ NATIONALLY ADVERTISED  
 SPECIAL WHOLESALE QUANTITY TERMS ON REQUEST  
**LIPTON'S PAPER MILLS LTD**

Devonshire Works • Dukes Avenue • Chiswick • London, W.4  
 Telephone: CHIswick 3600 (8 lines)

# Retails at

**1'-**  
 PER BOX OF  
 100 SINGLES  
 (50 DOUBLES)

## **LIPTON'S** SUPER SOFT HANDKERCHIEF TISSUES

WHOLESALE: **119/- per gross**  
 (Sample  
 on  
 request)  
 carriage paid



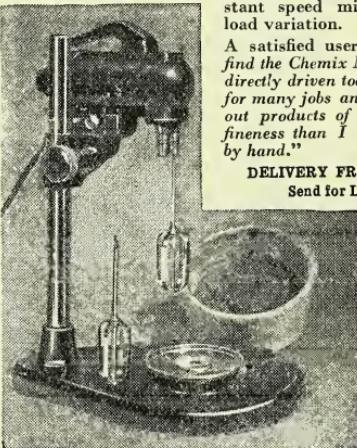
We invite your enquiries  
 and orders for  
 DRUGS, GALENICALS,  
 TABLETS, OINTMENTS,  
 SYRUP OF RASPBERRY  
 B.P.C.,  
 SURGICAL DRESSINGS,  
 SURGICAL PLASTERS,  
 ETHICALS,  
 PATENTS,  
 SURGICAL INSTRUMENTS,  
 CHEMISTS' SUNDRIES  
 at competitive prices

## **BIOREX** LABORATORIES LTD.

WHOLESALE AND MANUFACTURING CHEMISTS  
 51 EXMOUTH STREET, LONDON, E.C.1  
 Telephone: TERminus 9494 and 1431

Post orders executed promptly  
 Daily delivery service in the  
 Greater London Area

## **Chemix** Major



Laboratory Mixer for liquids or paste material. Mixes up to 5 gals. Motor fitted with patent speed control, suitable for 100/110 Volts or 200/250 AC single-phase supply. Constant speed mixing against load variation.

A satisfied user writes: "I find the Chemix Mixer with its directly driven tools invaluable for many jobs and I can turn out products of much greater fineness than I ever managed by hand."

DELIVERY FROM STOCK  
 Send for Leaflet

## **F. & R. M. HARRIS (B'HAM) LTD**

Chemical Engineers

17-18 DOE ST., BIRMINGHAM,  
 Associated with J. K. INNES & CO. LTD., Carlisle

# SOL-TAN



Relief  
from  
Pain!

## 'SOL-TAN' "CLASSIC"

Cat. No. E.M. 30

Dual purpose INFRA-RED and RADIANT HEAT apparatus. Simple in construction, this lightweight floor model is attractively finished in two colours: Ivory and Eau de Nil with Chromium plated fittings. Supplied against Doctor's certificate or for Professional use complete with one 500w Long-wavelength Infra Red Burner, one 600w Radiant Heat Burner, and Treatment Instructions.

List Price £9.9.0 Tax Free  
Spare Burners 33/- each

Only supplied against Doctor's certificate or for professional use.

Fully illustrated Catalogue gladly sent on request

'Sol-Tan' Marketed for Home and Export by:—



Sunshine at Will!

## 'SOL-TAN' "EMPIRE"

### ARTIFICIAL SUN-LAMP

Cat. No. 102/TM

Highest Quality, powerful Quartz Mercury Vapour Burner.

Outstanding value. Supplied complete with eyeshields and instructions. Voltages: 203/210, 220/230 and 240/250.

List  
Price £16.10.0 Com-  
plete  
Tax Free

THE LONDON COMMERCIAL ELECTRICAL STORES LTD.  
20-23 CURSITOR STREET, E.C.4. • CHANCERY 6488/9

# OINTMENT MILLS

## *Super Speedy Mill*

IN REGULAR USE ALL OVER THE WORLD

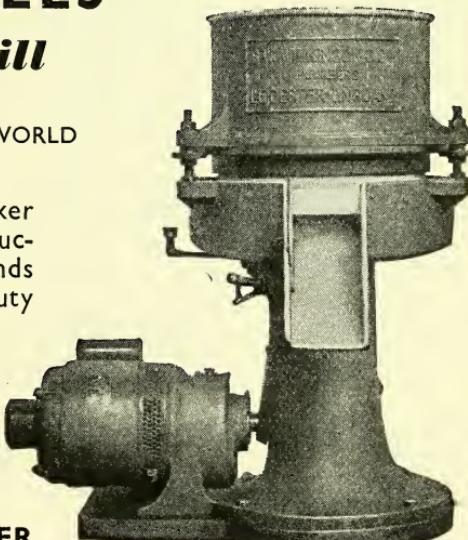
THIS Machine is a combined Mixer and Grinder and is used very successfully in the production of all kinds of Ointments, Tooth Pastes, Beauty Creams, Patent Foods, etc.

Each Machine incorporates Thirty Years' Accumulated Experience

S. W. WILKINSON & CO. LTD.,

Chemical Engineers and Specialists in  
Pharmaceutical Machinery

WESTERN ROAD - LEICESTER



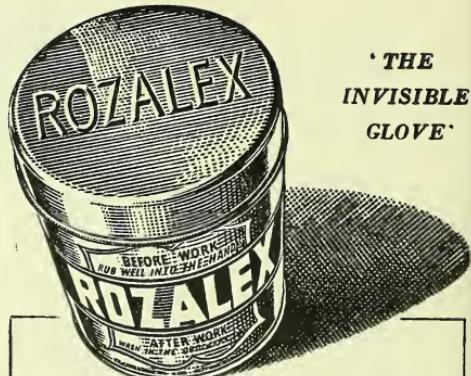
BASIL OIL  
CANANGA JAVA OIL  
CARAWAY OIL  
CARROT SEED OIL  
CORIANDER OIL  
FENNEL OIL  
GUAIACWOOD OIL  
MARJORAM OIL  
NUTMEG OIL  
PATCHOULI OIL  
PENNYROYAL OIL  
PETITGRAIN OIL  
PINE SYLVESTRIS  
ROSEMARY OIL  
RUE OIL  
SANDALWOOD OIL W.I.  
SPEARMINT OIL  
THYME OIL

●  
**GALE & MOUNT LTD.**

37 ROTHSCHILD ROAD, LONDON, W.4

Telephone :  
CHiswick 6628-9

Telegrams :  
SALMENTA CHISK LONDON



Stops dirt from getting  
into the skin

2/6 A TIN (Including P.T.)

**ROZALEX**

Obtainable from your usual wholesaler

Trade Discount 25%

ROZALEX LTD., 10 NORFOLK STREET, MANCHESTER 2

*Every Woman  
knows that  
“DEBUSAN”  
SANITARY  
TOWELS*

*are a Cotton Wool Towel  
affording maximum comfort  
at very low cost. Supplied  
in Popular size only*

*Manufactured by :*

**JASON & STUART PRODUCTS**  
Plane Street Mill, OLDHAM, Lancs.

# PROCID

## LOZENGES

**NEW METHOD OF PACKING  
COMMENCING OCTOBER 1952**

The Sealite Unit Pack in which Procid Lozenges will be presented from October 1952 will be of internally coated metal foil hermetically sealing each lozenge individually, rendering them positively moisture proof indefinitely.



The Procid Carton still contains 18 Lozenges—3 perforated metal foil sheets each containing 6. The new pack is cellophane wrapped. The price remains unchanged at

**RETAIL PRICE**  
1/6d. each.

**TRADE PRICE**  
12/- per dozen.  
Free of Purchase Tax

ARKER STAGG LIMITED, EMMOTT STREET, LONDON, E.1.

## Squeak

TRADE MARK

**REALY  
KILLS MICE!**

THE ANTI-COAGULANT  
MOUSE EXTERMINATOR.

harmless to children  
and pets—does not  
contaminate food.

Advertised Nationally  
in THE RADIO TIMES  
JOHN BULL  
ILLUSTRATED

Attractive Counter Displays  
and Showcards will make  
SQUEAK your fastest seller.

PRICE  
1/6

Obtainable from your usual Wholesaler  
If any difficulty, write direct to

**SOREX (London) Ltd** TONBRIDGE ROAD  
MAIDSTONE KENT

Smee's



# Victory V

## GUMS & LOZENGES

FRYER & CO. (Nelson) LTD., NELSON LANCS

It  
really  
has  
caught  
on!

Every care was taken in *advance* to make this a winning line. Product, pack and advertising were planned together—to ensure that a good product was strikingly presented and backed with the strongest possible selling effort. That policy is paying—big sales are being made all over the country and the selling pressure is being kept up.

11,000,000 women are reading about TRESS regularly in the biggest circulation Women's journals. Have you ordered from your wholesaler yet?

**TRESS**

SETS, CURLS, CONDITIONS the hair

Marketed by: GOLDEN LIMITED, 2/4 DEAN STREET, LONDON, W.1. Tel: GERrard 4926

*The new line in the  
new, unique pack—  
shake it—and watch  
its fascinating Silken  
Swirl!*



**TRADE PRICES**

*Sells at 2/11d. per bottle,  
giving many applications.*

*Your cost: 14/3d. per dozen  
plus 100% purchase tax.  
Your profit: 6/6d. per dozen.*



.....THE MAN WITH THE SEA  
IN HIS VEINS



*Exceptionally attractive profits*

It pays to sell Corvette, and it pays handsomely. There is 1/6d profit for retailers on the shaving bowl and 1/- on the refill. All other items in the range show a profit of not less than 10d.

SHAVING STICK 3/- SHAVING BOWL 5/6 LATHER SHAVING CREAM 3/-  
BRUSHLESS SHAVING CREAM 3/- HAIR CREAM 3/6 BRILLIANTINE 4/-  
SOLID BRILLIANTINE 3/6 TALCUM POWDER 4/6 AFTER SHAVE LOTION 4/-

**Corvette**



*Quality range of matched toilet preparations for men*

**Boya Men's Division 161 New Bond Street London W1**

He looked an ordinary chap, this customer. No rolling gait or bell-bottomed trousers. But his eyes alighted on my Corvette packs like a shipwrecked mariner sighting land.

"That's attractive," he said, picking up a carton, examining the Corvette picture, "that's a really smart job . . . something fresh . . . a bit different . . . just the sort of thing I like."

The call of the sea? Could be! Fact is we're an island people, and there's hardly a man jack of us who doesn't warm to the sight of a ship at sea. Anyway, I'm convinced these Corvette packs make my displays pay dividends. They *attract*. They have character. They stand out on necessarily crowded shelves and do a selling job in themselves.

*Glass containers  
of quality*



We specialise in the manufacture of glass containers for the Drug Trade and the wide range of industries associated therewith. An immense variety of moulds are available. We shall be pleased to advise on any glass packaging problem.

Wholesale and  
Export Only

**LAX & SHAW** LTD

REGD. OFFICES: Scott House, 69, South Accommodation Road, LEEDS, 10.

Telephone: 21568 (2 lines)      Telegrams: Feeders (Phone) Leeds 10.

LONDON OFFICE: 29 Ludgate Hill, E.C.4.

Telephone: CITY 7170.

The Marchon logo is a red, stylized, blocky font word "Marchon" enclosed within a red oval border. To the left of the word is a red circular emblem containing a stylized "M". Above the word "Marchon" is the word "SUPPLEMENT" in a smaller, red, sans-serif font.

# **MARCHON PRODUCTS LTD**

### Telephone:

# CUMBERLAND

Whitehaven 650-1-2 and 797-8-9

## COMPLETE RANGE OF ANIONICS

*Economic in Price  
Excellent in Quality*

# **SULPHATED PRIMARY ALCOHOLS**

## *the Empicol range*

# ALKYL ARYL SULPHONATES

## *the Nansa range*

## EMULSIFIERS

the Empilan range

**BRANCH OFFICES:**

**SOUTHERN SALES OFFICE:**

Southampton St., Strand, London, W.C.2.  
Phone: TEMple Bar 5358.  
Grams: Marchonpro, Rand, London.

**N. IRELAND SALES OFFICE:**

7 Bedford Street, Belfast.  
Phone: Belfast 26798.

LANCASHIRE SALES OFFICE:

1 Booth Street, Manchester, 2  
Phone: BLAckfriars 7778.  
Grants: Marchonpro, Manchester

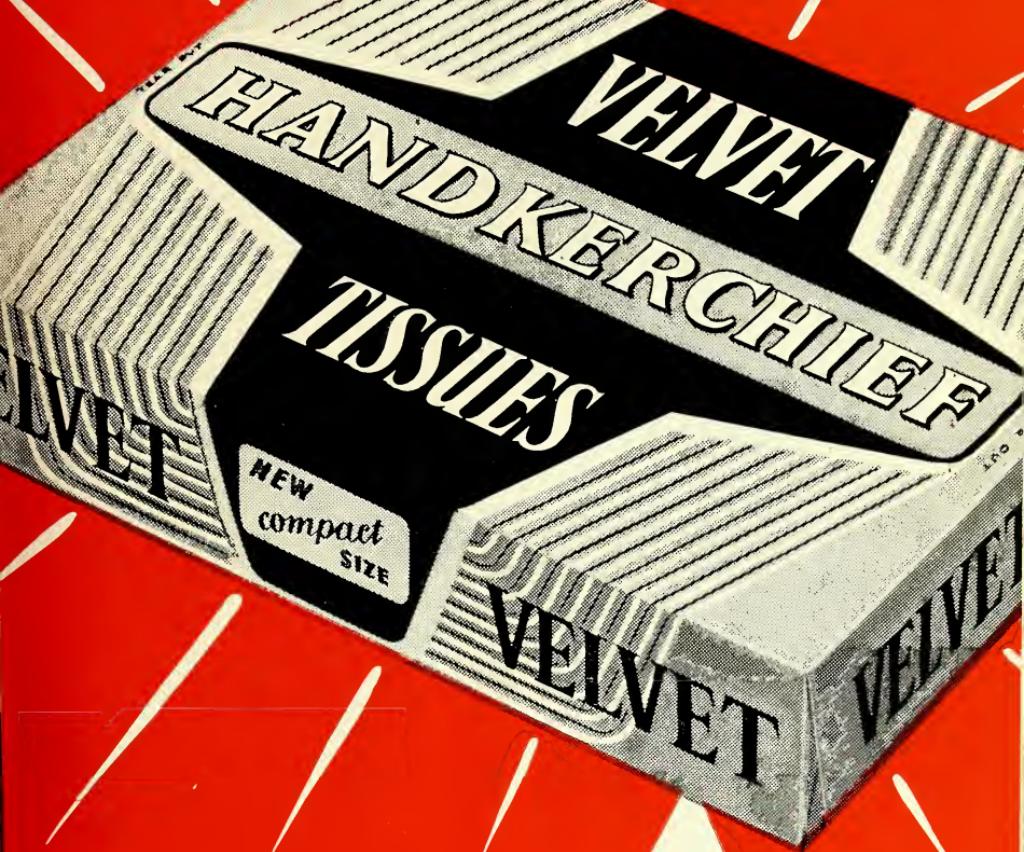
# VELVET

who gave you the  
**POCKET PACK** winner

NOW BRING YOU

COMPACT SIZE  
120 TISSUES 60 PULLS

\* LOWER IN PRICE  
\* BIGGER IN VALUE  
\* NEW IN DESIGN



## A WONDERFUL NEW SALES-WINNING PACK AT

Here's Velvet's new-sized pack! Lower-priced, better-than-ever value, in an attractively colourful box. Everything the public wants — including of course the famous quality of the tissues themselves... as soft, as strong, as absorbent as ever. We predict that this new pack will soon be popular favourite No. 1.

9d.

AND THE SALES OF THE UNIQUE POCKET PACK ARE STILL RISING HIGHER AND HIGHER

Velvet Crepe Paper Co. Ltd., Alperton Mills, Alperton, Middx.



what

# CONTAINER



S.P.D. LIMITED

# a case . . . . well!

Still something missing somewhere, which

in this case is the case we need.

Please make sure that every case is

carefully opened and when C.R.S-marked

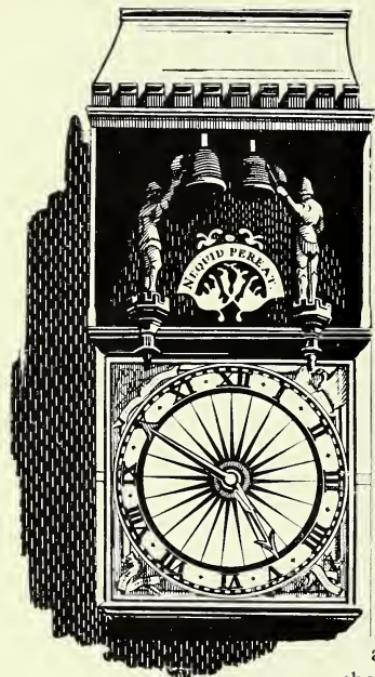
should be saved for collection until the

C.R.S van collects for re-use.

*Our vans collect throughout the length and breadth of England*

# recovery service

3-5 SALISBURY SQUARE, LONDON, E.C.4



## Tested by Time

Wells Cathedral has one of the oldest and most interesting clocks in the British Isles. It has two faces, one inside and one outside the building. The inside face, preserved in its original 13th century form, is complex and tells the time and phases of the moon. The outer face, shown here, has two armoured figures above the dial which strike the quarter hours with their halberds. These figures date from the fifteenth century but the dial itself was installed in 1845.

At that time Thomas Tyrer & Co. Ltd. had been in existence for just one year, yet was already establishing a name for the fine chemicals it was producing. Today Sterling brand chemicals have a world-wide reputation for purity.

STERLING  
Brand  
CHEMICALS

*Some of which are:—*

*Bismuth Carbonate and other Bismuth Salts.  
Iron Ammonium Citrate and other scale  
preparations. Hypophosphorous Acid and  
Hypophosphites. Potassium and Sodium  
Citrates. Zinc and Magnesium Stearates.*

MANUFACTURED BY

Thomas **Tyler** & CO. LTD.

STRATFORD

LONDON

E. 15



# "RELIANCE"

## 150 YEARS IN THE SPONGE TRADE

"CRESSWELLS" are today the largest bulk buyers of Natural Sea Sponges with a widespread organisation which *gets the best* when the sponge crop is fished. For the best sponges, in the widest range, the brand is RELIANCE. Please send for illustrated leaflet showing our full range of attractive sales-producing sponge boxes.

*Your enquiries, for sponges and also for CHAMOIS LEATHERS, will receive immediate, expert attention.*



# CRESSWELL BROS. SPONGES

(WORLD NATURAL SPONGE SUPPLIERS LTD.)

SPONGE IMPORTERS AND EXPORTERS

BUCK STREET • CAMDEN TOWN • LONDON

Phone : GULLiver 5462-3

Telegrams : Sponge, Norwest, London

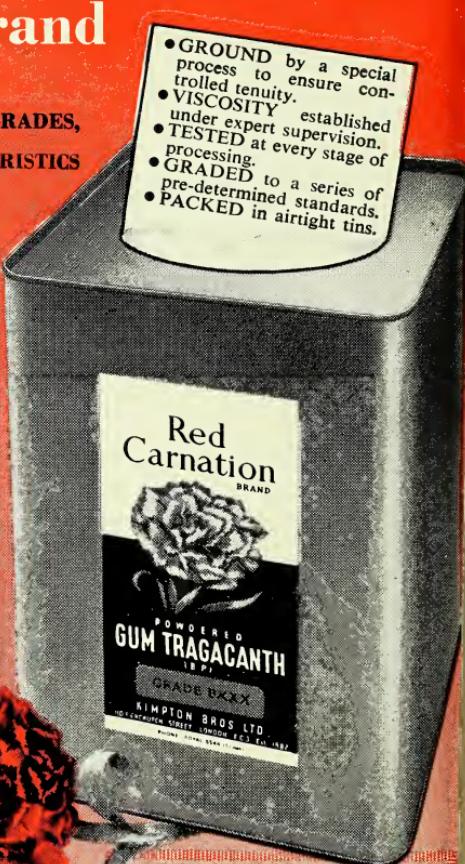
TO ALL USERS OF  
GUM TRAGACANTH

Whether you order  
by the tin, or by the ton,  
you get best value by specifying  
'Red Carnation' Brand

POWDERED GUM TRAGACANTH IN FOUR GRADES,  
OF CERTIFIED QUALITY AND CHARACTERISTICS

THE formula for your product calls for a specific quantity of Gum Tragacanth. But, since Tragacanth in its natural state has natural imperfections and variations, can you be sure that the same quantity from different consignments will give the same results? You can—if you specify RED CARNATION Brand, for, whenever you order and whatever grade you order, you know what you will be receiving—powdered Gum Tragacanth in a stabilised form as regards viscosity, colour and fineness of powder. And, whatever time of the year you order, you can be sure that the Gum Tragacanth you receive is fresh, because RED CARNATION Brand is in such constant demand (it is specified by leading manufacturers of food and pharmaceutical products throughout the country) that there is no risk of deterioration through long storage.

GRADES			
1	2	3	4
BXXX	BXX	BX	BA



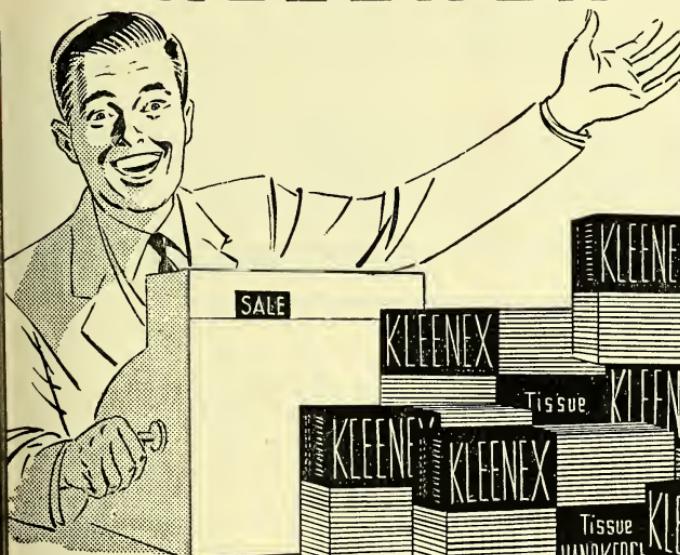
- GROUNDED by a special process to ensure controlled tenacity.
- VISCOSITY established under expert supervision.
- TESTED at every stage of processing.
- GRADED to a series of pre-determined standards.
- PACKED in airtight tins.

**Red Carnation**  
BRAND  
POWDERED GUM TRAGACANTH  
KIMPTON BROS. LTD. (ESTABLISHED 1882)  
110 FENCHURCH ST., LONDON, E.C.3. Tel.: ROYAL 5544 (5 lines)

The literature dealing with Gum Tragacanth is not readily accessible to the average commercial user. On request, you can obtain a free 12-pp. illustrated booklet, telling "The Story of Gum Tragacanth".

If you have any queries regarding RED CARNATION Brand Gum Tragacanth—e.g. which Grade is most suitable to your requirements—our Research Department will be pleased to advise you.

# You sell more tissues when you display **KLEENEX**



Because Kleenex,\* the softest, strongest tissue, is also the best value—at 150 tissues for 1/- Kleenex is the tissue that makes your customers tissue-minded, eager to buy. So display Kleenex for biggest tissue sales !

\*Reg. T.M.

**KLEENEX ON YOUR COUNTER**

**MEANS MONEY IN YOUR POCKET**

# 11,000,000 WOMEN WILL SEE THIS ADVERTISING



Regular advertising in all the women's weekly and monthly publications is building up a big demand for these Adelaide Grey Proprietaries. Order a stock today.

## WAX-A-WAY & COOLWAX DEPILATORIES

'Laleek' Wax-a-Way recommended for facial treatment is definitely the most satisfactory Wax Depilator marketed today. It retails at 8/7 including Tax. 'Laleek' Coolwax is for use on the arms and legs. Economical to use and most effective. Retails 5/9 including Tax.

## LONGLASH & EYE COSMETIC

Adelaide Grey's 'Laleek' LONGLASH, famous for years as the leading line in the field, retails at 2/1. 'Laleek' Eye Cosmetic attractively packed in its new round container complete with brush, retail 4/6, is rapidly growing in popularity.

## BEAUTY PREPARATIONS

ADELAIDE GREY, 30 OLD BOND ST., LONDON, W.

*Of special interest  
to Diabetics*

SINCE no sugar is used in the making, these refreshing fruit drinks can be enjoyed by diabetics. Rose's Diabetic Lime Juice costs 3/6d. a bottle. The Fruit Squashes—orange or lemon— are 3/- a bottle.

**ROSE'S** *diabetic* FRUIT DRINKS

Happy little Denise Hayward of 1 Willow Green, Boreham Wood, Herts—winner of 4 Firsts in 4 Baby Shows in 8 weeks.



## THE BABY WHO IS ALWAYS CATCHING THE JUDGES EYE

Inclosed are photographs of my daughter Denise Lorraine who has set up the amazing record of being entered in four Baby Shows in 8 weeks and winning 4 First Prizes. You may wonder why I write to you. Well, Zac Baby Cream has helped her in its own way to achieve this record as I have used it regularly and she has never had the slightest sign of soreness or nappy rash. I have been asked on innumerable occasions

why Denise is always so happy and contented and have replied that 'the regular use of Zac Baby Cream has kept her comfortable in the places that matter most.' We have been approached by several firms whose products we have never used, so of course we were not able to say anything about them. But Zac we have used regularly, and know it well, and it is so good I shall always speak well of it.

**ZAC ADVERTS WILL BE SEEN BY WOMEN READERS MORE THAN 4,000,000 TIMES DURING THE NEXT THREE MONTHS ALONE**

The biggest ever campaign for ZAC BABY CREAM is telling the story to women throughout the Kingdom of Denise Hayward's success.

THE DEMAND IS SURE TO INCREASE

**HOW IS YOUR STOCK?**

**COUGH HOSEASON LTD., CHAPEL STREET, MANCHESTER 19**

# CHILDREN'S TV FAVOURITE

Here's a "Mr. Turnip"  
Soap Man!

THE CHILDREN already adore MR. TURNIP on TV. They watch him every fortnight — read about him in his weekly strip cartoon. Now here he is, come to life, as a little soap-man!



Packed each in a sturdy box like a miniature TV set — a feature appealing to children. Excellent gift idea. Retail price 2/3d. 15/9d. doz.

Out of this box, Mr. Turnip is 5" high, modelled in pure white toilet soap, highlighted in colour.

- ★ Sells at sight from your counter — children already love him and want him. Good profit margin.
- ★ Advertised in the popular "TV Comic" and "Mickey Mouse".
- ★ A certain, fast-selling Christmas and birthday line.

**PLACE YOUR ORDER TODAY**

*A product of Zenobia Ltd., Loughborough, Leics.  
Makers of fine perfumes and toilet preparations.*



## SURGICAL ELASTIC HOSIERY

SEAMED, SEAMLESS  
TWO-WAY STRETCH  
ELASTIC NET

## SURGICAL BELTS TRUSSES & SUNDRIES

Over 60 years' service of everything surgical

**SURGICAL HOSIERY CO., LTD.**

Russell Street, NOTTINGHAM

Telephone No. 75903 Telegrams: Surgical Notts.

## NATIONAL FORMULARY 1949

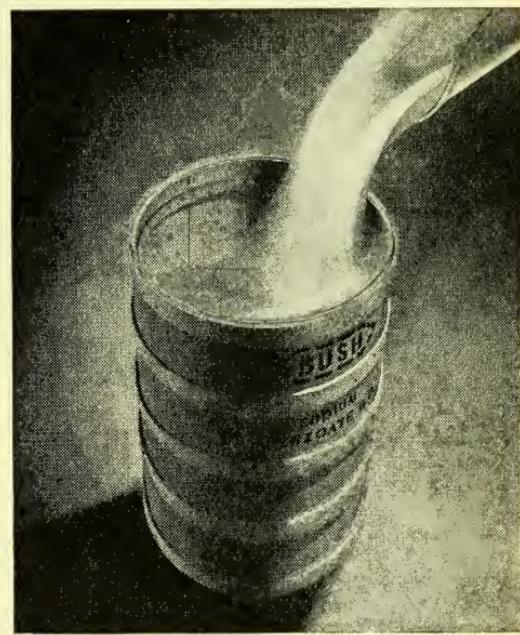
**PASTILLES  
and LOZENGES are  
always in ample  
supply from**

**ROBERT GIBSON  
& SONS LIMITED  
MANCHESTER & LONDON**

*Manufacturers of  
'MECCA' COUGH PASTILLES  
and  
GIBSON'S CHOCOLATE WORM CAKES*

**BUSH**

**ACID**  
**BENZOIC**  
*B.P.*  
**SODIUM**  
**BENZOATE**  
*B.P.*



*now freely available*

**BUSH**

FINE CHEMICAL  
MANUFACTURERS

V. J. BUSH & CO. LTD. . LONDON . E.8 . ENGLAND



**The Silky Soft Absorbent  
Tissue that is preferred**

**Vanity**

**HANKIE TISSUES  
RETAILS FROM 1/6d.**

Tissues have come to stay—it's just a case of selling the **BEST** to make and keep customers. **VANITY** are produced by **THE PAPER SPECIALISTS**—packed attractively and come to you in display cartons worthy of your windows and counters.

**POCKET PACK** for Travel, School, etc  
(24 large size White Tissues) 4d.  
*In the carton that does not disintegrate in use*  
**BOUDOIR CARTONS** (150 in White or  
assorted Pastel colours) or Cellophane Wrapped  
150 and 180: assorted shades if required.

**FREDER BROTHERS PAPER MILLS**  
**BRIMSDOWN, ENFIELD, MIDDLESEX**

Telephone : **Howard 1847** (3 lines)  
Telegrams : **Sylkocrepe, Enfield, Middlesex**

**THE BEST KNOWN AND PROVED REMEDY  
FOR TROUBLE IN THE HAIR**



Derbac is the one proved remedy for infestation in the hair. It is the fastest seller and fastest in effecting a cure. For serious cases recommend LIQUID DERBAC followed by regular shampooing and combing with DERBAC SOAP AND COMB. Your customers will thank you for prescribing this proved treatment.

**FROM CHEMISTS ONLY**

**DERBAC**

**SOAP**

for slight  
infestation.

**LIQUID**

for more  
serious cases.

# Bottle-fed babies-

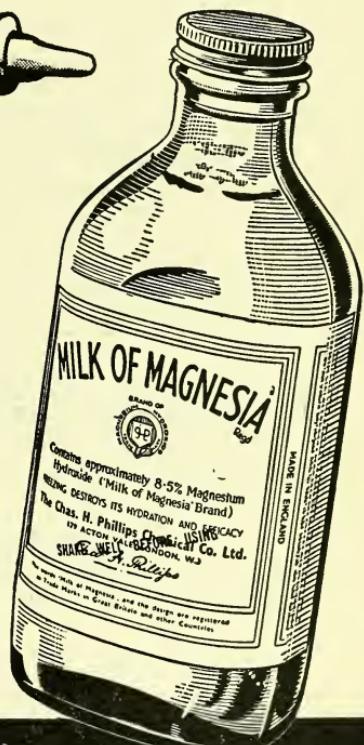


## THE Pharmacist's advice

Confronted, as he often is with a request for advice upon digestive disturbance when baby is bottle-fed, the Pharmacist may confidently recommend the use of \* 'Milk of Magnesia'.

This antacid laxative checks the formation of indigestible protein curds and enables digestion to proceed with comfort.

Thus the baby is contented, receives full nutritional value from each feed and thrives.



# 'MILK OF MAGNESIA'

REGD. TRADE MARK \*

THE CHAS. H. PHILLIPS CHEMICAL CO. LTD.,

179, Acton Vale, London, W.3.

*Women prefer*

# KOTEX

S A N I T A R Y   T O W E L S

(WITH LOOPS)



*More American women choose Kotex  
than all other sanitary towels*



CELLUCOTTON PRODUCTS LTD., 33/34 AYLMER PARADE, LONDON, N.2

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*Introducing . . . . .*

# Hypersyl

(BRAND)

IN Introducing Hypersyl Brand of Heavy Basic Magnesium Trisilicate, we offer an improved therapeutic agent for the treatment of the various undetermined types of indigestion met with in general practice.

Extensive medical propaganda is being undertaken which should result in a big demand on prescriptions.

Sold in 4-oz. containers retailing at 4/7d.

*Supplies available from:*

**GORDON MURRAY & Co. Ltd.** (Manufacturing Chemists)  
68 FORE STREET, ST. MARYCHURCH, TORQUAY

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OCTOBER 18, 1952

# The Chemist & Druggist SUPPLEMENT

HEAD OFFICE: 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone: Central 6565 (10 lines)

Classified Advertisements must be prepaid.

Telegrams: "Chemicus, Strand, London"

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## ORRIDGE & COMPANY

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS  
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BIRMINGHAM • SOUTHAMPTON • LIVERPOOL • SHEFFIELD • CARDIFF

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Tel. Belfast: 27078

## LEASEHOLD PREMISES

## APPOINTMENTS

18/- per half-inch (min.) and pro rata. Box 2/-

### BOROUGH OF HESTON AND

#### ISLEWORTH

#### CHEMIST'S BUSINESS

#### ONE LOCK-UP SHOP ON HOUNSLAW WEST HOUSING ESTATE

#### LEASE FOR SEVEN YEARS

The Borough Council invite applications for a lease of seven years of ONE of a block of six lock-up shops which are being erected by the Council on the Hounslow West Housing Estate for the purpose of carrying on a chemist's business. The rent payable will be £72 per annum.

A copy of the lease which will be granted to the successful applicant may be seen at the office of the undersigned from whom forms of application may be obtained.

Applications on the specified forms enclosed in a sealed envelope which must not bear any mark or name indicating the sender and endorsed "Application for lease of shop" must be forwarded to the Town Clerk, Council House, Treaty Road, Hounslow, so as to reach him not later than October 29.

The Council does not bind itself to accept any application. Canvassing members of the Council will disqualify an applicant.

HAROLD SWANN,  
Town Clerk,

Council House,  
Hounslow.

C 9611

### BISHOP'S STORTFORD HOSPITALS

(Haymeads Hospital—350 occupied beds)  
(Bishop's Stortford & District Hospital—67 beds)  
SENIOR PHARMACIST required on November 1, 1952, at Haymeads Hospital. Competent to assume charge of department in absence of Chief Pharmacist. Salary scale £525 x £25 to £625.

Applications, with details of experience and copies of two recent testimonials, or the names of two referees, to be addressed to the Administrative Officer, Haymeads Hospital, Bishop's Stortford, Herts.

C 9594

### CROWN AGENTS FOR THE COLONIES

SUPERINTENDING PHARMACEUTICAL CHEMIST (male or female) required by the Medical Department of the Federation of Malaya. Commencing salary (including expatriation pay) is payable in local currency equivalent, at the present Government rate of exchange, to £814 rising to £1,988 a year (male) or £814 rising to £1,926 a year (female). Cost-of-living allowance of between £56 and £494 according to salary and marital status. Free first-class passages. Appointment will be on agreement for three years in the first instance with prospect of permanent and pensionable employment. National Health Service Superannuation rights can be preserved. Liberal leave on full salary. Candidates under 35 must possess the Diploma of Pharmaceutical Chemist of the Pharmaceutical Society of Great Britain and have had at least one year's experience (after registration) in teaching, hospital or manufacturing pharmacy. Apply at once, by letter, stating age, full names in block letters, and full particulars of qualifications and experience and mentioning this paper to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting on letter M.32084.G.

The Crown Agents cannot undertake to acknowledge all applications and will communicate only with applicants selected for further consideration.

C 9625

## BUSINESSES FOR DISPOSAL

17/6 for 36 words (min.) then 4d. per word. Box 2/-

**BIRMINGHAM.** Horst St, Five minutes New Street Station. Lock-up shop with two rooms over. Rent £500, and rates. Long lease. Chemists greatly needed in this important thoroughfare. Shipway & Doble, 41-2 Horse Fair, Birmingham, Midland 6306. C 2724

**WEST WALES.** Drug store, market town, near coast, main road. Excellent opening for qualified, near doctors. Living accommodation. Audited accounts. Apply Box C 2731.

## BERDOE & FISH

Chemists' Transfer Agents and Valuers  
1 ARGYLE SQUARE, KING'S CROSS, W.C.14  
(opposite St. Pancras and King's Cross Stations)

**Wanted immediately good class businesses in London, Home Counties and South Coast. Private clients waiting with cash up to £10,000.**

• All Valuations and Stocktakeings, carried out under personal supervision of principals.

Established 1870 Phone: TERminus 3574

### Appointments—Continued

#### CONNAUGHT HOSPITAL, WALTHAMSTOW, E.17

Part-time Assistant in Dispensing required for five half-day sessions per week. Hall Certificate, Whitley Council salary and conditions. Apply with full particulars to the Secretary, H.M.C. Forest Group, Langthorne Rd., E.11. C 9621

#### ENFIELD GROUP HOSPITAL MANAGEMENT COMMITTEE

PHARMACIST required. Salary £450 at age 23 x £25 to £575 plus £25 for additional recognised qualifications. Whitley conditions. Applications giving full particulars and the names and addresses of two referees to the Secretary of the Management Committee at Chase Farm Hospital, The Ridgeway, Enfield, Middlesex, by November 1, 1952. C 9635

#### GENERAL HOSPITAL, NOTTINGHAM

Applications are invited for the post of Assistant in Dispensing (Apothecaries' Hall). Whitley Council Scale and Conditions. Applications, stating age and experience, together with copies of two testimonials, to be sent to H. M. Stanley, Group Secretary, General Hospital, Nottingham. C 9553

#### HARROGATE AND RIPON HOSPITAL MANAGEMENT COMMITTEE

#### HARROGATE GENERAL HOSPITAL, HARROGATE

ASSISTANT IN DISPENSING required for hospital pharmacy.

Terms and conditions of service in accordance with Whitley Council Agreements. Salary scale aged 20, £225; 21, £260; 22 and over, £320, rising by annual increments to £415 p.a. plus £15 p.a. in all cases for holders of the certificate of the Society of Apothecaries. National Health Service Superannuation Regulations apply.

Applications, giving details of age, experience and the names and addresses of two referees, to be forwarded to the Hospital Secretary, Harrogate General Hospital, Harrogate. C 9613

#### HOUNSLAW HOSPITAL, STAINES ROAD, HOUNSLAW

Applications are invited for the post of Chief Pharmacist (single-handed). Category II Hospital. Salary and conditions in accordance with Pharmaceutical Whitley Council. Post vacant November 3, 1952. Apply to Hospital Secretary giving full personal particulars and copies of two recent testimonials or names for reference. C 9615

#### ILFORD AND BARKING GROUP HOSPITAL MANAGEMENT COMMITTEE

##### KING GEORGE HOSPITAL, ILFORD

Applications are invited for an Assistant Pharmacist or Dispenser (Apothecaries' Hall) at the above Hospital.

Salary and conditions of service in accordance with the Whitley Council scales.

Applications, stating age, qualifications and experience, together with the names of two referees should be sent to the undersigned within seven days of the appearance of this advertisement.

G. AUSTIN HEPWORTH,  
Secretary.

King George Hospital,  
Ilford.

C 9628

#### KING EDWARD VII HOSPITAL (OLD WINDSOR UNIT), OLD WINDSOR

Applications are invited for the post of PHARMACIST. Salary £450 (at age 23) x £25 to £575 per annum. Conditions of service in accordance with the decisions of the Pharmaceutical Whitley Council. Applications stating age and experience, together with the names of two referees, should be sent to the Hospital Secretary. C 9603

#### MANCHESTER NORTHERN HOSPITAL

##### PHARMACIST IN CHARGE

Applications are invited for the post of Pharmacist in Charge, with qualifications as recognised by the Pharmaceutical Society. Previous hospital experience is essential. Salary is in accordance with the Whitley Council scales for a category 11 hospital. Applications, giving personal details, qualifications, experience and the names of two referees, are to be sent to the Hospital Administrator as soon as possible. C 9616

#### METROPOLITAN HOSPITAL, KINGSLAND ROAD, LONDON, E.8

ASSISTANT IN DISPENSING REQUIRED  
Salary and conditions of service as defined by the Pharmaceutical Whitley Council. Consideration would be given to student applicants.

Applications, stating age, full details of experience, etc., to the Hospital Secretary. C 9567

#### NEASDEN HOSPITAL, BRENTFIELD ROAD, N.W.10

PHARMACIST (whole-time or part-time) required. Salary on Whitley Council scale. Apply, stating age, experience, and names of two referees to Physician-Superintendent. C 9620

#### OLDCHURCH HOSPITAL, ROMFORD, ESSEX

(724 Beds)

##### DEPUTY CHIEF PHARMACIST (CATEGORY V)

Applications are invited from qualified pharmacists for this appointment. This large general hospital, which is within easy reach of London, has many specialised departments, and a large out-patient department of consultant clinics. Whitley Council salary (£625-£25-£725 p.a.) and conditions of service. Applications, stating the usual particulars and names of three referees should be sent to the Secretary, Romford Group Hospital Management Committee, Oldchurch Hospital, Romford, within 7 days of this advertisement. C 9627

**Appointments—Continued****PRISON AND BORSTAL SERVICE****PHARMACISTS (MALE)**

**PHARMACISTS (MALE)** — Applications are invited for three appointments in the Prison and Borstal Service, at Birmingham, Leeds and London.

Salary £575 x £25 — £675. Starting point according to age, experience and qualifications. London post carries £30 addition. Pensionable under the Health Services Superannuation Scheme.

Applicants who should be not less than 25 years of age, must be registered Pharmacists and hold the certificate of the Pharmaceutical Society of Great Britain as Chemist or Druggist or as Pharmaceutical Chemist.

Regulations and application forms from the Establishment Officer (E.51/7/9), Prison Commission, Horseferry House, Dean Ryle Street, London, S.W.1, to be returned by November 1, 1952. C 9604

**SHEFFIELD NO. 1 HOSPITAL MANAGEMENT COMMITTEE**

Applications are invited from suitably qualified Pharmacists with experience in the organisation and management of a large hospital pharmacy for the appointment of **CHIEF PHARMACIST** at the City General Hospital becoming vacant on January 1, 1953.

Salary £735 x £25 — £885 p.a. with an additional £25 p.a. if holding a higher qualification.

Apply giving full details of age, qualifications, experience, etc., and the names of two persons for reference to the undersigned at the Nether Edge Hospital, Sheffield, 11, not later than October 31, 1952.

W. STANSFIELD,  
Secretary.  
C 9582

**STEPNEY GROUP HOSPITAL MANAGEMENT COMMITTEE****RAINE STREET, E.1**

**SENIOR PHARMACIST** and **PHARMACIST** required immediately at Mile End Hospital, Bancroft Road, E.1. Whitley Council scales and conditions. Applications, giving full details and references to Secretary, Stepney Group Hospital Management Committee, Raine Street, E.1. C 9639

**ST. LUKE'S HOSPITAL, BRADFORD**

**PHARMACIST** (female) required. General and Maternity Hospital. Category V. Up-to-date department. Opportunity for specialisation. Whitley Council salary and conditions. Apply Hospital Secretary. C 9573

**WEST MIDDLESEX HOSPITAL,  
SOUTH-WEST MIDDLESEX  
HOSPITAL MANAGEMENT  
COMMITTEE**

Pharmacist required at above hospital. Salary scale £450 x £25 to £575, plus London Weighting. Higher qualification allowance £25 per annum. Conditions of service in accordance with recommendations of Pharmaceutical Whiteley Council. Applications, stating age, qualifications and experience, with names of two referees, to Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex. C 9550

**SITUATIONS OPEN**

8/6 for 36 words (min.) then 3d. per word. Box 2/—

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

**RETAIL (HOME)**

**ASSISTANT WANTED** for high-class pharmacy. No dispensing. Must be fully acquainted with all departments. Apply, in first instance, in writing, giving full details of experience, salary required, etc., to Chaters, 129 High Street, Watford. Interview will be arranged if suitable. C 2739

**LONDON CO-OPERATIVE CHEMISTS** invite applications from pharmacists desiring to take appointments as branch managers in London and suburbs. Good salaries and commission, pension scheme, etc. Living accommodation in some instances. Well-fitted, modern shops with good supporting staffs. Pharmacists preferring relief duties can undertake extensive tours of branches on a salary and expenses basis with a permanency when required. Applications, in first instance, to Chief Pharmacist, Grange Road, Leyton, London, E.10. C 2734

**PHARMACIST**, preferably young and single, required immediately for busy pharmacy in Essex. Duties mainly dispensing. Congenial position with good conditions and progressive salary with bonus. Apply, Mr. Burton, 48 Pyrles Lane, Loughton, Essex. Tel.: Loughton 4929. C 2730

**PHARMACIST-SUPERINTENDENT** (lady or gentleman) required to manage small retail company in South Yorkshire. Possibility of ultimate partnership leading to succession. Hours 9 to 6. Rota 1 in 4. No Sunday or half-day duties. Good salary. J. H. Martin (Chemists), Ltd., Fitzwilliam, nr. Pontefract. Tel.: Hemsworth 98. C 2715

**QUALIFIED MANAGER** or manageress required for new branch pharmacy to be opened shortly. Flat available if required. Superannuation fund available, with transfer clause. No Sunday duty. Applications, stating age, experience and wage required, to reach the Secretary, Newbottle and District Co-operative Society, South St., Newbottle, Houghton-le-Spring, Co. Durham, as early as possible. C 2725

**SCOTLAND.** Pharmacist, male or female, required to manage modern well-fitted branch in Uddingston, near Glasgow. Good salary will be paid, plus rota payments; Saturday half-holiday; superannuation scheme in operation. Apply in writing, stating age, experience and when available for personal interview to: Mr. W. S. McBeath, M.P.S., Technical Supervisor, S.C.W.S. Ltd., Retail Drug Dept., 187 Bogmoor Rd., Glasgow, S.W.1. C 2722

**SOUTHALL.** An interesting vacancy will shortly occur in this area for a pharmacist to manage a busy family dispensing branch. Good salary and commission, plus rota duty payments. Permanent and pensionable post. Living accommodation above branch available. Applications, in first instance, to Superintendent Chemist, Grange Road, Leyton, E.10. C 2733

**SUP./PHARM.** Enterprising man of pleasing personality required to manage medium sized pharmacy in small west country town. Congenial position for the right man. Good salary and commission and accommodation adjoining. Particulars please to Box C 2714.

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

### Situations Open—Continued

**SCOTLAND.** Pharmacist wanted for branch in Fife-shire. Good salary and prospects for energetic manager. A three-apartment flat recently modernised will be available. Superannuation scheme in operation. Apply, in writing, stating age, experience and when available, to: Mr. W. S. McBeath, M.P.S., Technical Supervisor, S.C.W.S., Ltd., Retail Drug Dept., 187 Bogmoor Road, Glasgow, S.W.1. C 2721.

**SURREY.** Unqualified lady assistant for dispensing and counter. Kindly state age, experience and salary required to W. J. Snow, 4b High Street, Caterham. C 2742.

**UNQUALIFIED** lady assistant for dispensing and counter. Salary and commission, C. W. J. Watkins, 3 Stile Hall Parade, Kew Bridge, W.4. C 2694.

**WEMBLEY (NEAR).** London Co-operative Chemists, Ltd., have an attractive vacancy in the above pleasant residential area for a pharmacist to manage a modern, nicely fitted branch, with an excellent dispensing connection. Good salary and commission, and payment for all rota duties. Excellent supporting staff and working conditions. Position permanent and pensionable. Newly decorated flat available within easy distance if required. Apply to Superintendent Chemist, Grange Road, Leyton, E.10, giving full details of experience and stating when available for interview. C 2704.

**YOUNG LADY ASSISTANTS** required for pharmacies in Reigate and Golders Green; high-class counter and cosmetic trade; knowledge of dispensing an asset. Send details of age, experience, etc., to Box C 2732.

### RETAIL (OVERSEAS)

**CHEMISTS AND DRUGGISTS** (English certificate only) required, preferably not over age 36. Starting salary £900 per annum rising by annual increments of £50 to £1,050 per annum at the end of the third year plus generous family allowances, free furnished accommodation and free medical services. There is a pension fund, contributory, at 10 per cent. of salary, company contributing 15 per cent. and providing also certain guaranteed benefits which include widows' and children's pensions and provision for retirement where the qualifying age for a pension is not reached. These appointments are in British West Africa and there is an initial kit allowance of £75 and the employment enjoys the benefit of the Colonial rates of income tax. Tours of 21 months are followed by substantial leave on full pay. First-class passages are provided for men, their wives and children under 8. Apply, in writing, giving full particulars, to Box No. 6246, c/o Charles Barker & Sons, Ltd., 31 Budge Row, London, E.C.4. C 9630.

**QUALIFIED PHARMACIST**, single man, required for service in E. Africa. Starting salary £810 p.a., including cost-of-living allowance, with regular annual increments. Four-year tours with annual local leave followed by home leave on full basic pay. Kit allowance and free passage both ways. Contract renewable at end of tour by mutual consent. Applicants must hold M.P.S., qualification of Great Britain or Northern Ireland. Apply, in writing, giving qualifications, age and experience. Box C 9598.

**S. RHODESIA.** Qualified assistant required for counter and dispensary. Salary £75 a month with good prospects for advancement. Single man preferred. Passage paid out. Three-years' agreement. Reply with reference to F. Dept., Messrs. Mackinlay & Co. (London), Ltd., 197 Aldersgate Street, E.C.1. C 2736.

### WHOLESALE

**A PROVINCIAL HOUSE** of manufacturing chemists will shortly require a works assistant for general supervision, with some experience of factory organisation and staff control. Applications, with full particulars of experience, age, and salary required, to Box C 2726.

**A SMALL** but growing concern of manufacturing chemists have a vacancy for a chemist-manager. This company has a wide field of activity and presents a good opportunity to a person capable of controlling manufacture and promoting sales. Reply, in strictest confidence, Box C 2723.

**ABBOTT LABORATORIES, LTD.**, international manufacturers of fine pharmaceuticals, of 3 Wadsworth Road, Perivale, Middlesex, have further vacancies for qualified pharmacists and chemists at their factory in the north of England. These are all positions for men between the ages of 28 and 35 years who are making, or desire to make, commercial production their career, and are capable of making the rapid progress envisaged by the Company. C 9599.

**AGENT/REPRESENTATIVE** required by wholesale manufacturing chemists, to call on chemists and hospitals. Must have established connection and experience in selling drugs, galenicals, dressings, plasters, proprietaries, and chemists' sundries. Car owner. Some Home Counties and London Territories vacant. Apply, in confidence, to Biorex Laboratories, Ltd., 51 Exmouth St., E.C.1. Phone: Terminus 9494. C 9631.

**ALLEN & HANBURYS, LTD.**, Ware, Herts, have a vacancy for a pharmacist with some years' experience of general pharmaceutical production. The post is progressive and pensionable. Apply, giving full details of age, education and experience, to Personnel Manager. C 9636.

**AN EXTENSIVE CONNECTION** will be handed to the right man calling on high-class chemists in Devon and Cornwall. Expenses and commission. Write, stating full particulars to Box C 2741.

**AN OPPORTUNITY** occurs for a qualified pharmacist in the packaging division of a well-known firm of chemical manufacturers near London. The engagement is on the manufacture and packaging of ethical products, with opportunity for experiment in production and control methods. Salary according to qualifications and experience with prospects of advancement. Five-day week. Clean room facilities. Apply, giving full details of qualifications and experience to Box C 9600.

### TABLET MAKER

A COMPETENT MAN wanted for high speed tablet production. Manestey Plant. Top pay for right man.

### JASCO LIMITED

246 Bethnal Green Road, London, E.2  
Bishopsgate 9434 C 9624

## Situations Open—Continued

GENATOSAN LTD.  
OF LOUGHBOROUGH

have a vacancy for an assistant to the Marketing Manager to deal with the sales promotion, marketing and advertising of the Company's ethical preparations. Considerable expansion is planned in this direction and this represents a real opportunity for the right type of man to grow with the business. Age limit 40. The right kind of personality, ability to get things done and practical experience in the Marketing Department of a firm successfully engaged in the manufacture and sale of products of this kind, preferably including a period on the road as a medical detail man, are regarded as of more importance than academic qualifications. Very good conditions of employment, including pension scheme and life insurance. Please write to the Marketing Manager, Genatosan, Ltd., Loughborough, Leics. Envelope should be marked "Marketing Assistant, Confidential."

C 9612

**ASSISTANT CHEMIST.** A London company of international repute require an experienced assistant to their Chief Chemist. The successful applicant will have a sound knowledge of pharmaceutical and cosmetic products with particular emphasis on emulsions. A capacity for original thought and the ability to transmit such ideas to practical use are necessary. B.Sc. or equivalent qualification. Commencing salary £700 p.a. with opportunity for rapid progress for the right man. Write fullest details in confidence to Box C 9607.

**CHIEF CHEMIST** required. Medium sized and progressive manufacturers of toilet and pharmaceutical lines in London area require qualified and experienced man to supervise research and take responsibility for manufacture of present products. Post is permanent and offers exceptional prospects with seat on the Board eventually to man of ability and real enthusiasm. Write fully qualifications, posts held, special interests, commencing salary required to Box C 9606.

**EXPERIENCED** medical representative required by ethical house to call on doctors and chemists in Warwick/Staffs and S.E. London with Kent areas. Must have existing connection. Permanent and progressive position for men who can produce results. Salary, expenses and commission. Our staff know of this advertisement. Complete details to Box C 9546.

**GENATOSAN, LIMITED**, of Loughborough, invite applications from persons keen to fulfil the duties of a medical representative. 1. In the Greater London area. 2. In a Midlands area, and who consider they have the necessary ability to succeed. Good remuneration offered; all expenses paid; and a car provided. Superannuation scheme in operation. Applications please, with full details, to the Personnel Officer, Genatosan, Limited, Loughborough. C 9622

**GLAXO LABORATORIES, LTD.**, require a young man with first-class pharmaceutical qualifications as assistant in their Ulverston factory in a department concerned with the sterile finishing of antibiotics on large scale. Some experience in industry and knowledge of engineering would be useful though not essential. It is important that applicants should be well grounded in sterile techniques and have an interest in the development of these to large-scale manufacture. Initial salary in the range of £435 to £560 per annum, together with participation in the company's superannuation and incentive bonus schemes. Application form may be obtained from Senior Personnel Officer, Glaxo Laboratories, Ltd., Greenford, Middlesex. C 9617

**GLAXO LABORATORIES, LTD.**, require a pharmacist in the trade correspondence section of their home sales division. Good retail or hospital experience is necessary together with the ability to handle technical and commercial problems by letter or telephone. Apply, in writing, to Senior Personnel Officer, Glaxo Laboratories, Ltd., Greenford, Middlesex. C 9632

**HALEX, LIMITED**, have vacancies for men with practical experience in sales and creative ideas in merchandising for their comb, brush and toilet goods departments. Good prospects for right men. Age preferred not over 35. Apply: Managing Director, Halex, Limited, Highams Park, E.4. C 2728

**IMPERIAL CHEMICAL INDUSTRIES, LIMITED**, has a vacancy with prospects for a young pharmacist at its warehouse situated in the Wimbledon area; initially, duties would include inspection of and responsibility for various pharmaceutical products. Applications, with full particulars, should be addressed to Imperial Chemical (Pharmaceuticals), Ltd., Office Service Department, Fulshaw Hall, Wilmslow, Manchester. C 9565

**MEDICAL REPRESENTATIVE** required by well-known London firm to visit doctors, hospitals and selected retail chemists. An interesting and progressive career for man with proved ability as medical propagandist (age not over 40). Own staff informed. Apply, in strict confidence, with full details of past experience to Box C 9633.

**MEDICAL REPRESENTATIVE** wanted for Northern Ireland, Belfast area. A well-known and progressive ethical house requires the services of a man with a sound connection amongst the medical profession on this territory. Remuneration, salary, commission and expenses. Full details to Box C 9545.

**MIDLANDS** representative with established connection, required by a well-known London drug house. Car owner essential. Write giving particulars of past experience. Box C 9605.

**REPRESENTATIVE** required to call on doctors, hospitals and chemists in connection with ethical pharmaceutical products; territory, N.W. and S.W. London, in which applicant must reside. Apply, stating experience, if any, to Rybar Laboratories, Ltd., Tankerton, Kent. C 9637

**REPRESENTATIVE** required by old-established company manufacturing nationally advertised pharmaceutical and cosmetic lines to call upon chemists in the London area. Must be resident in London and be car owner. Salary, commission and expenses. This is a progressive post for a man not necessarily with selling experience but possessing energy and enthusiasm. Write giving full details to Box C 9608.

**STAFFORD ALLEN & SONS, LTD.**, require a graduate chemist for research in the fields of pharmaceutical and insecticidal chemicals. Some post-graduate experience desirable. Salary according to qualifications and experience. Pension scheme. Canteen. Apply, in writing, to Dept. WM/RPM, Wharf Road, London, N.1. C 9576

## CERTIFICATE IN OPTICAL DISPENSING

*Details of a course of study  
for this examination  
are now available*

*Write to me:—*

**C. A. SCURR, B.Sc., D.Opt., F.S.M.C., F.B.O.A. etc.**  
**50 HIGH STREET, BARNET, LONDON, N**

### Situations Open—Continued

**REPRESENTATIVE** required by old-established company manufacturing nationally advertised pharmaceutical and cosmetic lines to call upon chemists in Scotland. Must be resident in Glasgow and be car owner. Salary, commission and expenses. This is a progressive post for a man not necessarily with selling experience but possessing energy and enthusiasm. Write giving full details to Box C 9609.

**REPRESENTATIVES** (4) required by important Northern Manufacturing Chemists. Territory:—(1) Central Midlands. (2) West Lancs, Cheshire, North Wales, I.O.M. (3) Scotland. (4) London. Applicants must be resident on the territory and possess strong personal connection with chemists and grocers for proprietary products and bulk tablets. Age limit 45. Car an advantage. Send fullest particulars, age, and name of employer in confidence to:—British Chemotheutic Products, Ltd., P.O. Box 242, Bradford. C 9610

**TYPIST/TELEPHONIST** wanted by small medical company. Interesting work, good prospects. Knowledge of drug terms advantageous. Please apply Terminus 9333. C 2709

**VETERINARY CHEMISTS** with national connection with qualified veterinary profession wish to discuss representation on a part-time or commission basis for the Southern and South-west Counties. Could be fitted in with another good class representation. Apply Box C 9618.

**WIMBLEDON.** A pharmaceutical manufacturer seeks to engage a female pharmacist to assume responsibility for technical problems arising from storage and transit of packed pharmaceutical products. Apply Box C 9566.

### WHOLESALE (OVERSEAS)

**MANAGER** of pharmaceutical department required by a prominent European merchant house in Bangkok who act as agents in Siam for important manufacturers in the U.K. Applicants must have good knowledge of ethical pharmaceutical trade, be capable of administering and developing existing agencies, and preferably aged 30 to 35 years. A knowledge of Far Eastern trade an advantage. This is an important position and in the right hands is capable of considerable expansion. Good salary and service conditions, free passages and adequate home leave are offered. Application, giving full personal details and summary of past career and education, should be sent to Box C 9619.

## STEMCO LIMITED

Manufacturers of Flit Insecticides, Pharmaceutical Products and Distributors of Liquid Paraffin, White Oils and Petroleum Jellies, require a representative for the area Derby, Notts, Leicester, Lincs. Applicants should be car owners and not over 40 years of age. Experience in selling to Wholesale and Retail Chemists in the above areas will be an advantage. Remuneration: Salary, Commission, Expenses and car allowance. Pension Scheme in operation. Applications with full particulars to:

**Sales Manager, Specialty Dept., Stemco, Ltd., 128/132 Albert Street, London, N.W.1.**  
C 9579

### Situations Open—Continued

**BEECHAM GROUP, LIMITED**, are recruiting production executives with pharmaceutical qualifications (preferably B.Pharm. Degree or Ph.C. Diploma) for service in their overseas factories in the Eastern and Western Hemispheres. Prior to taking up an overseas appointment, arrangements will be made for successful applicants to acquire product and process experience in home factories of the Group. The posts are pensionable and offer excellent opportunities for advancement. Reply, in the first instance, with full particulars, to Beecham Group, Ltd., Technical Division, Amami Buildings, North Circular Road, West Twyford, N.W.10. C 9629

### SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word. Box 1/-

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**LIVERPOOL**, Wirral, Southport areas. Pharmacist free for winter locums from mid-November. Highly recommended business manager. Car for distance. M.P.S., Belah, Grassendale Road, Liverpool, 19.

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**GLASGOW AREA.** First-class medical representative (36) free at moment, desires appointment (experienced in representation) (medical training); well known to medical profession in area. Good trade references. Write Box C 2720.

**KEEN REPRESENTATIVE** (40) with wide experience of sales medical representation and pharmacy desires progressive position with reputable company with scope for advancement. Box C 2718.

**LANCASHIRE AND CHESHIRE AREA.** Would like to hear from good house, requiring representation on this ground. Live connections both wholesale and retail, chemists and general dealers, etc. Years of coverage. Commission basis. Box C 2740.

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35 gross  $\frac{1}{2}$ -oz. U.G.B. Amber Powder Rounds and Bakelite Caps.  
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500 gross No. 3 Oval W/F. Tablet Bottles and Caps.  
90 gross No. 4 Indirect Square Amber Tablet Bottles and Bakelite Caps.  
60 gross No. 2 Ind. Square Amber Tabs. and Caps.  
100 gross  $1\frac{1}{2}$ -oz. W/F. Squat Jars.  
200 gross  $\frac{1}{2}$ -oz. Squat Jars.  
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# WEEKLY LIST OF PRICE CHANGES, OCTOBER 18

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; \*==Tax 33½ per cent.; †==Tax 100 per cent.

	Doz.	I.R.P.	Elliman, Sons & Co., Ltd. (new size)	Doz.	I.R.P.
Abbott Laboratories, Ltd. (from October 20)			Universal embrocation*	4-oz.	20 6
R Vi-daylene 90-c.c.	5 0				2 10
16-fl. oz.	24 9				
The following price reductions with the exception of the entry under Medo Chemicals, Ltd., are on account of exemption from purchase tax:—					
Allen & Hanburys, Ltd. (from October 6)			A Athletic rub*	3-oz.	14 6
R Calycyclic tablets 50 18 0	2 3			10-oz.	36 0
dispensing pack 500 96 0					5 0
dispensing pack 1,000 180 0			J. C. Eno, Ltd. (Addition)	5-oz.	28 6
R Calycyclic granules 8½-oz. (approx.) 36 0	4 6			10-oz.	52 2
Each			Vita-yeast		3 0
3½-lb. (approx.) 17 6					5 6
Medo-Chemicals, Ltd. (from October 1)			Evans Medical Supplies, Ltd. (in Irish Republic)		
R Orapenil G 200,000 units 10	8 6		A Evans antiseptic throat pastilles	13 6	1 9
Menley & James, Ltd.	Doz.		Glaxo Laboratories, Ltd.		
R Furacin soluble dressing 2-oz. 54 0	6 0		R Adexocal tablets 50 30 0	3 4	
4-oz. 97 2	10 9		Ostocalcium tablets 50 20 3	2 3	
16-oz. 324 0	36 0		100 36 0	4 0	
R Furacin solution 2-fl. oz. 54 0	6 0		Addition:—		
4-fl. oz. 97 2	10 9		Cytacon liquid 6-fl. oz. 85 6	9 6	
16-fl. oz. 324 0	36 0		R Cold dissolved vaccine rubber capped bottle 5-c.c. 45 0	5 0	
R Furacin dressing veterinary 4-oz. 10 9			J. Goddard & Sons, Ltd. (Corrected note)		
Purchase tax has not been removed from Furacin, veterinary with anaesthetic, inclusive retail price remaining at 15s.			A Goddard's plate powder 13 6	1 6	
Riker Laboratories, Ltd.				27 0	3 0
R Veriloid tablets 1. mgm. 100 24 0			Dr. Janssen, Ltd. (from October 1)		
500 108 0			R Dr. Janssen natural tonic laxatives* 12 0	1 10	
2 mgm. 100 45 0				31 2	4 9
500 204 0			Medo-Chemicals, Ltd. (Additions)		
R Veriloid-VP tablets 100 48 0			Carbellon Each		
500 216 0			250 6 8 10 0		
R Veriloid intravenous solution 6 x 5 c.c. 30 0			500 12 6 18 9		
Sharp & Dohme, Ltd.			Nitrocine 1,000 24 0 36 0		
R Benemid tablets 0.5 gm. 100 70 0			Pectomed 3-lb. 8 4 12 6		
A. J. White, Ltd.			6-lb. 15 0 22 6		
R Nefco approx. 3½-oz. 23 0 2 10½			Tonivitan A and D 40-oz. 12 0 18 0		
approx. 14-oz. 78 6 9 10			80-oz. 20 0 30 0		
5-lb. 360 0 45 0			B 40-oz. 12 0 18 0		
Each			80-oz. 20 0 30 0		
28-lb. 156 0 234 0			Dexobarb 25 2 0 3 0		
Allied Laboratories, Ltd. (Addition)			100 7 6 11 3		
Ascon tablets 50* 42 0 5 9			250 18 0 27 0		
tax free dispensing pack also available.			Salimed* 100 6 0 11 0		
The British Drug Houses, Ltd.			250 13 4 24 5		
R Calsimil 60 22 0 2 9			500 21 0 38 6		
			2-oz. 3 6 5 3		

## P.A.T.A. PROTECTED LIST

### Part 1

Doz.

Allied Laboratories, Ltd. (Addition)		
Ascon tablets 50* 42 0	5 9	

tax free dispensing pack also available.

### Moore Medicinal Products, Ltd. (Addition)

Brovon delayed action tablets\* Doz.

25 24 0 3 6

100 81 0 12 0

Each

dispensing pack 500 28 0

### Part 2

McCaw, Stevenson & Orr, Ltd. (Irish Republic)

Doz.

A Seccotine 12 6 1 4½

### F. & G. Turnpenny, Ltd. (Additions)

Perfumes by Parfumerie L. T. Piver of Paris†

No. 5799 70 11 14 9

5816 78 3 16 4

5826 78 3 16 4

5543 32 0 6 8

5775 108 1 22 6

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October 1952

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Whitecross Baby Powder  
Apple Blossom Talcum Powder  
Lilac Blossom Talcum Powder

With four weeks delivery, but we are very sorry that we cannot accept any more orders for the rest of our range for delivery this year.

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For Coronation Year we shall have some good news, which our Representatives will be pleased to show you as soon as possible.

Yours faithfully,

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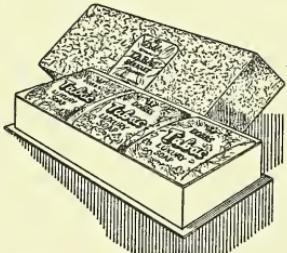
(Signed) LESLIE CUSSONS,

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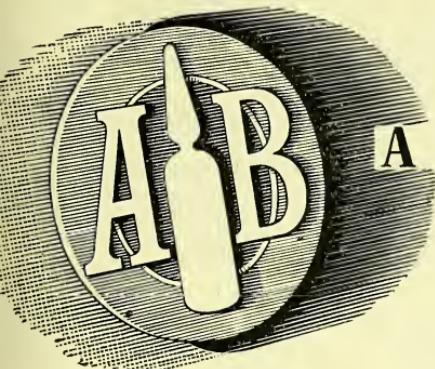
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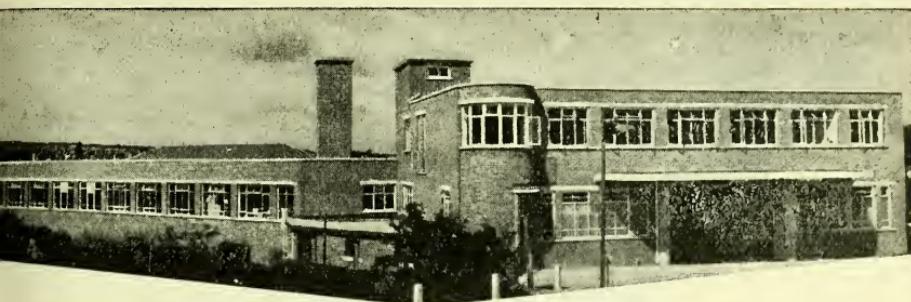
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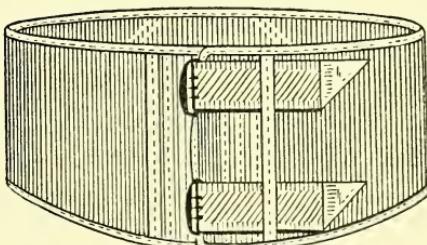
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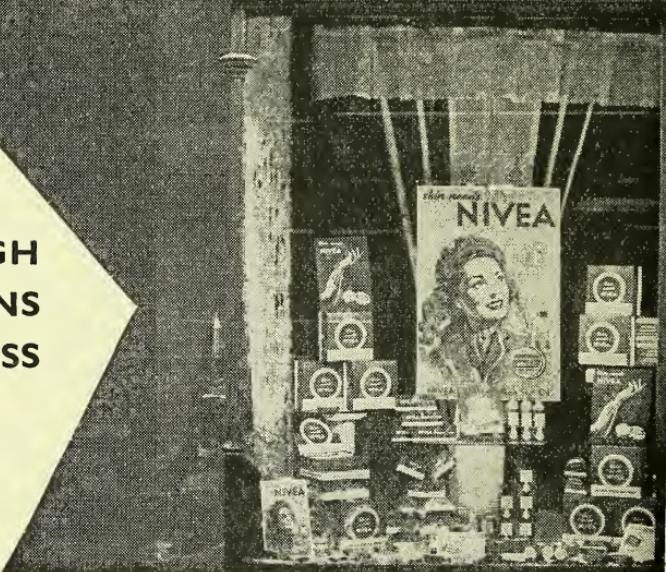


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# The CHEMIST AND DRUGGIST

for RETAILER — WHOLESALE — MANUFACTURER

OCTOBER 18, 1952

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Volume CLVIII

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## NEWS OF THE WEEK

**Tax-Free Medicines.**—Isoniazid, derivatives of isoniazid, lachesisine and their salts could be added to the list (*C. & D.*, October 11, p. 503) of drugs now free of purchase tax under the Purchase Tax (No. Order, 1952).

**Terramycin for Sensitivity Tests.**—The Ministry of Health announced recently that a limited supply of 20 mgm. vials of pure terramycin for sensitivity tests will be available to hospital laboratories shortly. A request from the regional distribution centres from which the drug is now supplied.

**Guide to Excess Profits Levy.** — A booklet giving the broad outline and examining the major provisions of the legislation enacting the Excess Profits Levy has been issued by the Federation of British Industries. Copies (price one shilling) may be obtained from the Federation, Tothill Street, London, S.W.1.

**Price Control Order Change.** — The Price-Controlled Goods (Restriction of resale) Order is revoked from October 1, 1952. The maximum price Orders re-

lating to goods which are still price-controlled render it superfluous. The revocation is given effect by the Price-Controlled Goods (Restriction of Resale) (Revocation) Order, 1952 (S.I., 1952, No. 1814).

**Co-operative Pharmacy Wage Demand.**—The National Wages Board has received an application from the Union of Shop, Distributive and Allied Workers for increases in wages for co-operative pharmacy workers. The union is asking for increases of 20s. a week for pharmacist managers and manageresses; 15s. for male and female qualified assistants; 12s. for unqualified assistants engaged in pharmacy and dispensing; and 10s. for unqualified female assistants who assist in dispensing.

**Medicine for M.P.s.**—During the summer recess of Parliament the emergency medicine chest of the House of Commons has been restocked by Burroughs Wellcome & Co., Dartford. The chest, which is kept by the Assistant Serjeant-at-Arms and can only be used by an M.P. who is a doctor, was presented by Burroughs

Wellcome & Co. in 1908. The contents include analgesics, sulphaguanidine, digoxin, an inhaler, an antihistamine, and penicillin. The chest is used on an average only about twelve times a year.

**Cylinder Colour Warning.** — The British Standards Institution states that a few copies of P.D. 1395, amendment to B.S. 349C, "Identification Colours for Gas Cylinders," have been circulated, in which the cylinder for ethylene is uncoloured instead of mauve. The Institution is anxious that all copies with the ethylene cylinder uncoloured should be returned to 22 Victoria Street, London, S.W.1, when they will be replaced, free of charge.

**Later Closing of Shops.** — The Home Office stated on October 10 that the Government has decided to end the temporary provisions of the Shops Act, 1950, relating to winter closing hours of shops, and an Order revoking them is being made. The provisions at present lay down a general closing hour of 7.30 p.m. on the late day and 6 p.m. on other days from the first Sunday in November to the first Sunday in March. The "normal" 8 p.m. (9 p.m. on the late day) closing hour is now to operate throughout the year. At a meeting held on October 11, the executive of the Union of Shop, Distributive and Allied Workers registered objections to the Home Office action. The union argues that later closing would inevitably result in longer working hours for shop assistants, thus adding to overhead charges of distribution. Members of the union are being urged to resist attempts to introduce later closing.

**Pricing Arrears Proposal.** — A letter from the Ministry of Health to Executive Councils dated October 8 and dealing with the Ministry's plan for clearing up "A" bundle pricing arrears for the months February-May 1952 (*C. & D.*, October 11, pp. 400 and 505) shows that the adjusting factor to the October 1951 to January 1952 average that would be applied if the scheme were accepted is 1.33 per cent. That figure represents the estimated difference between the average cost per prescription in the two groups of four months, obtained from the 1 per cent. sample of chemists whose prescriptions are priced fully and fixed by the Government Actuary. The letter adds that examination of the level of the average cost per prescription (obtained from the 1 per cent. sample) showed that it remained at a com-

paratively steady level during the latter months of 1951 and the earlier months of 1952.

**Advertising and Prices.** — Representatives of the Association of the British Pharmaceutical Industry attended a meeting of the general medical services committee of the British Medical Association recently by invitation to elaborate their views on a resolution of the B.M.A.'s annual conference that steps should be taken to ensure that dispensing costs of prescriptions were shown on the advertising pamphlets sent to doctors and in advertisements in the medical Press. The spokesman of the A.B.P.I. said that it had always been in their minds that doctors should know the cost of the treatment they were providing. But there were a number of objections to the publication of prices in advertisements. Prices were a complex matter. They were frequently changing and firms had to destroy a large amount of literary material because prices became out of date. Dispensing costs varied irregularly with the quantity prescribed. There were also difficulties attaching to export. The cost as advertised might be one figure in Great Britain and a very different figure abroad. The proper place for prices was in a price list.

**London Nursing Exhibition.** — The thirty-seventh annual London Nursing Exhibition and Professional Nurses' and Midwives' Conference was opened in London on October 13 by the Duchess of Gloucester. There were sixty-four exhibitors, a slight increase on the number at the 1951 exhibition. Among exhibits of pharmaceutical interest were an enlarged version of the Pneumostat electric inhaler for use in hospitals, and accommodating up to six patients, shown at the stand of Riddell Products, Ltd., Axtell House, Warwick Street, Regent Street, London W.1; Hepamult granules now reformulated with a proteolysing agent so that proteolysis of the liver concentrate takes place within the patient's body, shown by Norgine Pharmaceutical Products (London) Ltd., 19 Manchester Square, London W.1; Vita-Yeast, a new vitamin B complex food supplement exhibited by J. C. Eno, Ltd., Watford, Herts; and Bovril brand weaning food in cube form on the stand of Bovril, Ltd., 148 Old Street, London, E.C.1. During the exhibition there were showings of films made by Reckitt & Colman, Ltd., Cow & Gate, Ltd., May & Baker, Ltd., Burroughs Wellcome & Co and D. & W. Gibbs, Ltd.

## LOCAL NEWS

**Pharmacy Opens First.**—The first shop to be completed on the Woodchurch housing estate, Birkenhead — tenanted by Woodfield Cooke, Ltd., chemists — was opened by the mayor of Birkenhead on October 7.

**Week-end Lecture Course.**—A week-end course of lectures and practical periods was held at the Rentokil woodworm and dry rot centre, London, October 3-5, when thirty of the company's technical staff and senior executives were given advanced instruction on the higher technical aspects of woodworm and dry rot control.

**A Branch Bulletin.**—After a lapse of months Portsmouth Branch of the Pharmaceutical Society has issued a branch bulletin whose admirable content and attractive presentation in a specially printed green wallet seem to hold promise of any reappearances. The four cyclostyled olscap sheets accommodate a store of useful matter, from reports of branch events and tributes to lost members, to business and display hints and "situations wanted." Other branches could well adopt as a model.

**Plymouth Advises Manufacturers.**—The committee of the Plymouth branch of the National Pharmaceutical Union meeting in Plymouth on September 11 decided that the following suggestions could be adopted with benefit to the pharmaceutical profession:—1, Price alterations to be notified to pharmacists at least one month before the operative date. 2, Manufacturers supplying preparations for issue to EC10 forms to market the goods with attachable labels. 3, Pharmacists to refuse to handle, and not to encourage the publicity of, "stunt" offers, and to write to the firms concerned protesting against that be of business.

**Annual Dinner at Dudley.**—The Dudley and Stourbridge Branch of the Pharmaceutical Society held its annual dinner and dance in Dudley on October 1. Mr. S. C. Hawkeswood (chairman) presided, and Alderman W. J. Tristram (president of the Society) and representatives of the medical profession were present. Proposing "The Pharmaceutical Society," Mr. Hawkeswood welcomed the president. Members of the Society he said were sensitive of their responsibilities and acknowledged no superiors. Responding, Alderman Tristram said he was the first dinner he had attended



A group including the president of the Pharmaceutical Society (Mr. W. J. Tristram) at the annual dinner and dance of the Dudley and Stourbridge Branch.

since becoming president. The Branch was new and showed virility not only in domestic affairs but in sending representatives to conferences. Mr. F. J. Powell proposed "Our Guests," and Dr. T. O. P. D. Lawson (chairman, Dudley division, British Medical Association) in reply spoke of the close relationship which existed between the medical profession and the Society and emphasised that both had an important part to play in the National Health Service. The dinner coincided with the birthday of Mrs. F. J. Powell (wife of the Branch vice-chairman) and Mr. J. Fleming (secretary) presented her with an inscribed cut-glass vase.

## SCOTTISH NEWS

**Drug Industry Study.**—The pharmaceutical industry in Grangemouth is to be included in a detailed study by commercial students in Edinburgh University during the winter session.

**"Co-op" Superintendents in Conference.**—After a discussion on "The Proposed Code of Ethics" initiated by Mr. P. Dobson, Leeds, a meeting of more than forty Scottish and English co-operative pharmacy superintendents (members of the National Co-operative Managers' Association, Ltd.), in Glasgow, recently, sent a resolution to the Co-operative Union, Ltd., advising them that in the opinion of the members present the proposed new code is inimical to the professional and business interests of pharmacy, and that, together with the company chemists, they should spare no effort to prevent the adoption of the offending sections.

# SCHOOL OF PHARMACY OPENING

THE formal opening of the 111th session of the School of Pharmacy, University of London, took place for the first time in Senate House, London, on October 8, Sir Harry Jephcott presiding.

Presenting his report, PROFESSOR H. BERRY (dean of the school) said that as the present meeting was a special one celebrating the granting of the Royal Charter it would be appropriate if he dealt with the quinquennium which had just closed. It was, he said, probably the most important period in the school's history since its foundation by the Pharmaceutical Society in 1842. All undergraduate entrants since 1950 had been studying for the honours degree in pharmacy. There was no doubt that it produced the type of graduate needed. The school's policy of making provision for a certain number of research students had been well maintained during the quinquennium, during which 139 research papers had been published from the school. Forty theses had been submitted for the Ph.D. degree.

## **EXAMINATION RESULTS**

THE following satisfied the examiners in the Chemist and Druggist Qualifying examination held in England and Wales in September by the Pharmaceutical Society:—

Beale, Irene E. N., Stratford  
Bidois, R. J., Winton  
Bithell, R., Liverpool  
Bletsoe, A. B., Bournemouth  
Boniface, B., Petersfield  
Bowen, Gwilym, Swansea  
Bullocke, Jean, Torquay  
Crowley, Phyllis M., Pontardawe.  
Edis-Blewitt, D. H., Wolverhampton  
Elsworth, Anne, Blackpool  
Esmond, Sheila M., Stafford

Fogg, D., Southampton  
Goode, A. J., Rugby  
Herd, A., East Ham  
Heymann, E., Edgware  
Hodge, Hilda, Wigan  
Hollin, Joan, Rossendale  
Horsman, Deirdre W.,  
Northampton  
Hughes, G., Smethwick  
Jenkins, D., St. Clears  
Jepson, Patricia, Stafford  
Jones, Elizabeth H.,  
Swansea

Pressure on accommodation continued to be heavy and it was impossible to admit anything like the number of students seeking places. The places for the 1953-54 session were almost completely booked. The school was grateful to Birkbeck College for temporarily placing two laboratories at its disposal and to the Royal Veterinary College for temporarily providing space.

The inaugural address was given by PROFESSOR D. CAMPBELL (president of the General Medical Council). There was one subject of common interest to the pharmaceutical and medical professions—the British Pharmacopœia. Throughout the years the General Medical Council relied more and more on pharmacists for help in preparing the B.P. Professor Campbell gave a brief history of therapeutics and an account of some of the superstitions connected with it. Modern medicine, he said, was the negation of all theories. He suggested that all prescriptions issued under the National Health Service should be confined to drugs included in the B.P.

The following satisfied the examiners in the examination held in Scotland:—

Bennion, Jean M., Ravenstone	Linton, Audrey, Saltburn-by-the-Sea
Cassidy, R. G., Newcastle-on-Tyne	Lister, J., Maryport
Crossland, L., Elland	Marsland, P., Huddersfield
Falconer, J., Inverurie	Matthews, Emily M., Newport
Farley, Jean (Mrs.), Sheffield	Millington, D., Salterhebble
Forrester, A. J., Bury St. Edmunds	Munk, Hannah M., Nairok
Freedman, L. S., Manchester	O'Neil, G., Birkenhead
Giblin, Elizabeth P., St. Helens	Ponting, A., Inverurie
Glenton, I., Scarborough	Robinson, H., Boston
Goldstone, H., Manchester	Rudge, Pauline, North Wingfield
Graham, Dorothy M., Newcastle-on-Tyne	Sharpe, J., Wareham
Haigh, Rita R., Milnsbridge	Stokes, R. R., Newcastle-on-Tyne
Hall, J. S., Keighley	Taylor, B. M. C., Barrow-in-Furness
Harrison, Mary C., Barrow-in-Furness	Thomas, M., Southall
Hayhurst, R., Briercliffe	Todd, E., Rochdale
Hockin, C. W. S., Kirkhampton	Trueman, W. F., Whitley Bay
Johnson, J., Leeds	Wadsworth, A. R., Chesterfield
Lamont, J. P., Livingston Station	Walker, J., Rhos.
Linsley, June A., Durham	Wells, W., Rossendale
	Whitelegg, Beryl, Harroga
	Whyton, H. D., Rugby
	Williams, D., Hereford

## TOPICAL REFLECTIONS

### Public Expenditure

Your issue of October 11 arrived about the same time as Press reports of a speech by the Chancellor of the Exchequer. What you have called a "breathing space" in the country's financial position (p. 505) does not warrant relaxation of effort in our industries. On p. 490 some reasonable recommendations of the Institute of Directors are cited. These do not include any suggestion for a reduction in the standard rate of income tax.

At the present juncture there seems to be little prospect of any such boon. What could be effected, with stimulating result in trade and industry, would be a series of economies by public bodies, from highest to the humblest. Recently I heard of a reduction in the staff of some National Health Service council. As far as it goes, this change is encouraging; but what about the policy to be adopted in many other quarters? This is an economic, not a political, question. If the Government would set an example, municipal councils would take more seriously to heart the obligations to curtail their expenditure. Coming from printed reports, the Chancellor was careful, on October 9, not to commit himself to a drive for stringent economy in official outgoings. According to the "Times" report, he admitted that other possibilities in this field remain and should be explored, but added: "I am not going to be responsible for any big changes in policy which in my view are radically absurd, cruel, or unnecessary." It will be strange if thrift is to become a matter of individual observance and for the attention of local councils of many kinds, the Whitehall staffs are to be exempt.

### Electronic Sterilisation

The meeting recently held in London discussing the use of electronic sterilisation in pharmaceutical manufacture (p. 505) was concerned with a subject of practical importance. Advantages of the process were balanced against three disadvantages, two of which were hypothetical. As the third disadvantage (high initial cost) new processes usually become popular as the demand for them increases. A study is needed to convince manufacturers of pharmaceutical products that this method offers distinct superiority over sterilisation by heat. For instance, colour and flavour are reported to remain unchanged. Industrial hazards are

well understood, and complete protection against them can be secured. Experience of sterilising electronically in the United States covers a wide range of substances, including some antibiotics. My impression is that there is a longer record of work on a commercial scale, on the same lines, done with ultra-violet rays. For about sixty years it has been known that these rays are lethal to bacteria and to moulds. The application of this fact in industry, though comparatively new, has evoked a considerable variety of apparatus and, I gather, a useful collection of observed results. Various industries are taking advantage of the benefits of the rays; among them are baking, brewing and the storage of meat.

### Sir William Ramsay

The exhibition of apparatus and documents in honour of Sir William Ramsay at the Science Museum in London (p. 490) is well worth a visit. Nothing is more impressive than the simplicity of some of the devices shown: like other men of genius, Ramsay knew when to get results without elaboration. He was born in Glasgow in 1852. Both his parents had scientific ability, the Dictionary of National Biography states. His studies began at Glasgow University and continued in Germany. In 1872 he returned to his native city: two years later he became an assistant in the chemical department of its University. From 1880 to 1887 he was Professor of Chemistry at University College, Bristol, and for most of that time Principal of the College. Then he was appointed Professor of General Chemistry at University College, London, where he remained till his retirement in 1912. Experimenting at Bristol chiefly in physical chemistry, he there laid the foundation for his brilliant discoveries. It will be remembered that he was started by Lord Rayleigh on the investigation which resulted in the isolation of argon. There followed the difficult and masterly research by which helium, neon, krypton and xenon were separated. After that, the emanation of helium from radium was proved; Professor Soddy assisted in this development, and Lord Rutherford afterwards took up the subject. Sir William Ramsay installed a small laboratory at his house in Buckinghamshire after his retirement, and used it till his death in 1916. By friends he has been described as kindly, witty, generous and an excellent linguist.

Xrayser

## COMPANY NEWS

**KODAK, LTD.**—Mr. Ian Denis Wratten has been appointed a director of the company.

**LAPORTE CHEMICALS, LTD.**—An interim dividend of 2½ per cent., less income tax (same), is declared.

**GENATOSAN, LTD.**—Mr. Clement Henry Noton, who joined the company as joint general manager, has been appointed managing director.

**GREEFF-CHEMICALS, LTD.**—An interim dividend on ordinary shares of 3½ per cent., less tax, for the year ending December 31, is announced (against 4½ per cent. in the previous year).

**DRUG HOUSES OF AUSTRALIA, LTD.**—Consolidated profit for year ended June

## BUSINESS

**CASCELLOID, LTD.**, are removing to 9 Conduit Street, London, W.1, on November 3.

**M. T. FECHER, LTD.**, have removed to 175 Bath Road, Slough. The telephone number of the company remains unchanged: Slough 21864.

**MR. T. A. O'DONNELL, M.P.S.I.**, has opened a pharmacy at Main Street, Taghmon, co. Wexford, Eire.

**LINTAS INFORMATION SERVICES, LTD.**, have removed to 3 Swallow Place, Oxford Street, London, W.1 (telephone: Mayfair 8262).

**JOHNSON & JOHNSON (GREAT BRITAIN), LTD.**, state that they have still a London office at 6 Buckingham Street, London, W.C.2 (telephone: Trafalgar 1858) (see *C. & D.*, October 11, p. 494).

**PHILADELPHUS JEYES & CO., LTD.**, 8 College Street, Northampton, have taken over the pharmacy of Mr. G. Farndell, M.P.S., at 13 St. Mary's Street, Stamford, Lincs.

**ST. GEORGE CO-OPERATIVE SOCIETY, LTD.**, 40 Gladstone Street, Glasgow, have acquired the pharmacy at 801 Maryhill Road, Glasgow, formerly under the proprietorship of the late Mr. J. W. Downie, M.P.S.

**THE** pharmacy of Seath & Louden, 18 Bridge Street, Dunfermline, Fife, has been acquired by Messrs. J. T. Marshall, M.P.S., and G. S. Shard, M.P.S. The business will be carried on under the existing title.

30 was £A366,736 (against £A510,787 in the previous year). Dividend is reduced from 8½ to 8 per cent.

**LOFTHOUSE & SALTMER, LTD.**—Mr. C. E. Hammond has been elected chairman of the company following the retirement of Mr. George G. Simpson (see p. 527). Messrs. T. L. Harrison, M.P.S., and A. Surfleet, Ph.C., have been appointed joint managing directors.

**WILLOWS FRANCIS PHARMACEUTICAL PRODUCTS, LTD.**—A final dividend of 2 per cent. (against 7½ per cent.) is proposed for the year ended June 30. This makes the total dividend 7½ per cent. for the year (against 12½ per cent.). Net profit is £9,127 (£12,221) after all charges

## CHANGES

### Appointments

**RENTOKIL, LTD.**, School Lane, Fetcham, Leatherhead, Surrey, have appointed M. R. B. Large their assistant sales manager.

**THE BRITISH DRUG HOUSES, LTD.**, Graham Street, City Road, London, N.1, have appointed Mr. R. G. Macauley, M.P.S.I., their representative in Northern Ireland.

**GENATOSAN, LTD.**, Loughborough, Leicestershire, have appointed Mr. J. G. Colpitts their Northern area field manager. Mr. W. Blair has taken over the north East Anglia territory.

**GOYA, LTD.**, 161 New Bond Street, London, W.1, have appointed Mr. C. Ireland their representative in the Eastern counties of Scotland; and Mr. A. G. Inn their representative in the West of Scotland.

**LOFTHOUSE & SALTMER, LTD.**, Leona Street, Hull, have made the following staff changes: Works manager, Mr. W. E. Naylor, M.P.S.; laboratory manager, Mr. F. N. Harrison, Ph.C.; assistant laboratory manager, Mr. K. P. Clappison, M.P.; analyst in charge, Mr. W. E. Ball, A.R.I.C.

## LEGAL REPORT

**Theft from Hospital.**—At Huddersfield, London, police court on September 29, Mr. Reginald Edwin Knight, senior pharmacist at Manor House Hospital, North End Road, London, N.W.11, was fined £35 for stealing 1 cwt. of bismuth carbonate from the hospital. A male nurse was fined £5 for also being concerned.

## MARRIAGE

**HIRST**—**CLAYTON**.—At Adel Church, Leeds, on October 11, Stuart A. Hirst, Oaklea Hall, Adel, Leeds (governing director of Stuart Hirst, Ltd., Survey House, Bond Street, Leeds, 1), to Irene Clayton, West Park, Leeds.

## DEATHS

**BENNETT**.—On October 10, Mr. William Caplin Bennett, M.P.S., 37 Fore Street, Totnes, Devon, aged seventy-five. A former mayor of Totnes, Mr. Bennett had been in business in the town for more than forty years.

**BEALL**.—On September 28, Mrs. Annickmore Beall (widow of the late Mr. George Edwin Beall, M.P.S., Cambridge). Mrs. Beall was governing director of G. E. Beall & Son, Ltd., Sidney Street, Cambridge.

**POWELL**.—On October 10, Mr. John red Powell, Content, Mortimer, Berks, d. ninety-seven years. Born at Bristol. Mr. Powell was educated at Newbury Grammar School, and went to Reading in 1858. After passing the qualifying examination of the Pharmaceutical Society in 1879 joined his father in the business of J. Powell & Son, St. Mary's Butts, Reading. Retired from active participation in the business in 1906 and was probably the last retired chemist in Great Britain. Since 1906 his son, Mr. J. Montague Powell, has carried on the business. Mr. Powell, sen., known usually as Mr. Jack Powell, took a lively interest in local affairs, and was the oldest member of the Reading Philanthropic Institution and the Reading Bowling Club. He was also a keen cricketer and bowler, and a fine shot.

**ROBINSON**.—On October 5, Mr. Percy Robinson, 64 Chaucer Road, Acton, London, W.3, aged seventy-nine. Mr. Robinson qualified as a chemist and druggist in 1875 and for many years conducted his business at 13 Orford Hill, Norwich, later moved to Eastcheap, London. He was survived by a pharmacist son, Mr. D. T. Robinson.

**STUBBS**.—At 20 Windsor Road, Linthorpe, Middlesbrough, Yorks, on October 10, Mr. William Campion Stubbs, M.P.S., aged seventy-eight. Mr. Stubbs was a master of the Orde-Powlett Lodge of masons. He is survived by a pharmacist son, Mr. W. C. Stubbs, who is in business at 35 Beaumont Road, Northgate, Middlesbrough.

## PERSONALITIES

**MR. J. R. GUILER**, M.P.S.N.I., representative of The British Drug Houses, Ltd., in Northern Ireland for the past thirty-three years, is retiring on October 31 (see also opposite page).

**MR. GEORGE G. SIMPSON**, chairman and managing director of Lofthouse & Saltmer, Ltd., manufacturing chemists, Hull, retired on September 30 after over sixty years' service with the company, many of which were spent as a representative.

**MR. GEORGE W. MERCK, JUN.** (assistant to the president of Merck (North America) Inc.) arrived in London on October 9. During the preceding month he visited France and Italy, where he conferred with the company's representatives.

**MR. HORACE WRIGHT** (a past-president of the Hendon and Edgware Pharmaceutical Association and past-chairman of the local Branch of the Pharmaceutical Society) is holding a one-man show of water-colours at Walker's Galleries, 118 New Bond Street, London, W.1, October 21 to November 3.

**MR. GORDON SMITH** (secretary of the Association of British Pharmaceutical Industry) is the author of a letter published in the "Belfast Telegraph," October 7, in which he draws attention to the striking reduction in price of penicillin and streptomycin since the war as a result of increasing efficiency in production.

**DR. NORMAN EVER**S (director of research, Allen & Hanburys, Ltd., Bethnal Green, London, E.2) was presented by the directors at a ceremony in London on October 13 with a television set on the occasion of his retirement after forty years' service. Dr. Evers joined Allen & Hanburys from the laboratory of Birmingham City Analyst and was closely associated with pioneer work in connection with insulin.

**MR. JOHN A. SEATH**, M.P.S., sole partner of Seath & Louden, chemists, Bridge Street, Dunfermline, Fife, and an ex-provost of the Royal Burgh of Culross, Fife, has retired from business (see p. 526). His family have been connected with the firm for 100 years. On the death of his father, fifty-seven years ago, Mr. Seath, together with the late Mr. W. T. Louden, carried on the business under the trustees for ten years before they took over the concern. On Mr. Louden's retirement in 1929, Mr. Seath became sole partner. Now aged eighty-one, he served two terms as provost of Culross from 1945.

## PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

THE twenty-seventh annual meeting of the Pharmaceutical Society of Northern Ireland was held in Belfast, on October 6. At the outset the chair was taken by Mr. Walter C. Tate (a past-president), who declared Messrs. W. H. Boyd, H. W. Gamble, C. A. Quinn and P. R. W. Shinner elected to the Council for a period of three years. As there were no other candidates the election was uncontested.

MR. TATE congratulated the president (Mr. H. W. Gamble) on his re-election, which he described as a tribute to his outstanding work for the Society.

MR. GAMBLE having taken the chair, in turn congratulated the other members on their election, particularly Mr. Quinn on his first entry to the Council. MESSRS. BOYD, SHINNER and QUINN returned thanks.

### Scottish Visitors Welcomed

In his address, Mr. Gamble welcomed Mr. S. Hughan (vice-president of the Glasgow Branch of the Pharmaceutical Society of Great Britain) and his colleague Mr. T. Newton. He referred with regret to the death during the year of Mr. Charles Abernethy (a past-president of the Society and member of Council) and the following other members:—Messrs. T. J. Eglington, Henry Johnston, H. M. Kelly, W. Kelly, R. McMullan, W. H. Ringland, J. Ritchie and James Wilkinson.

The number of pharmaceutical chemists on the register had risen during the year from 898 to 959, an increase of sixty-one, and the number of apprentices from 393 to 465, an increase of seventy-two. The number of registered druggists was still thirty. The number of licences issued by the Home Office in 1951 was 607 against 577. There were twenty registered druggists' premises in both years.

Speaking of the examination results THE PRESIDENT said they were generally similar to those of previous years. In December 1951, twenty-eight out of seventy-eight passed the final part I, and in June 1952, twenty-nine passed out of ninety. In the final part II the figures were twenty-five out of forty-six, and twenty out of forty-nine, respectively. No student gained sufficiently high marks to merit the granting of a scholarship or the gold medal.

The Council had continued to review the matter of the tremendous increase in the number of apprentices and the possibility that in a short time the profession

would be flooded with pharmacists with consequent reduction of status and remuneration. The Council was trying by means of regulation and legislation to change the education syllabus. The first change was made on September 1 by regulation which requires that students before acceptance for the Preliminary examination must produce evidence of having passed the necessary qualifying subjects at one and the same examination.

THE PRESIDENT recalled that a deputation had discussed with the Minister of Home Affairs the proposed new legislation. They felt that the Minister would meet the requests for an enlargement of the Council, greater powers over the use of the Society's funds, the amendment of the educational system, concessions to service personnel and a provision that one should hold the position of chemist, compounder or dispenser in a hospital unless he was a registered pharmaceutical chemist. They also hoped for exemption from jury service for managers of branch shops and managers for executors. The present concession applies only to chemists who are sole proprietors. Mr. Gamble added that there would probably be further meetings with the Ministry in the near future.

### Meeting with Veterinarians

During the year a meeting had taken place with members of the Veterinary Surgeons' Association and on both sides of satisfaction was expressed with the Peccillin Act. It had come to light that under the Veterinary Act, 1948, pharmacists were debarred from diagnosing and prescribing for complaints in animals, as chemists were therefore advised to be careful not to prescribe treatment as by doing so they would render themselves liable to prosecution.

THE PRESIDENT said that as the assets of the Benevolent Fund were diminishing he had sent out an appeal to which there had been a very good response. He hoped some of the local associations would bear the Fund in mind when holding functions.

Agreement had been reached with Northern Ireland Branch of the British Medical Association on the relationship between chemist and doctor on the same lines as in the agreement in Great Britain. When the new legislation was passed they should be able to deal with any breach of that agreement by pharmacists.

Mr. GAMBLE said that the Council had been considering the idea of acquiring more central premises in Belfast to be available for offices, for meetings and as a meeting place for country members. The Ulster Chemists' Association and other bodies might be housed in the same building.

In conclusion, he thanked the Council for their support and the members for their attendance at the evening "at homes." He also paid tribute to the work of the secretary (Mr. William Gorman).

Presenting the financial statement the TREASURER (Mr. H. P. Crossin) said that the income for the year was £4,681 and expenditure £4,659. The balance was carried forward to make a total of £3,318. The appeal for the Benevolent Fund had so far realised £266.

MR. FRED STOREY, seconding the adoption of the report, moved by MR. CROSSIN, congratulated the president and Council on the successful year.

The proposal for more central premises was welcomed by MESSRS. W. R. McEWEN (president of the Ulster Chemists' Association), J. CALDWELL and W. H. GORDON (vice-president).

MR. S. E. CAMPBELL, supporting the appeal for the Benevolent Fund, said it was brought to the notice of the Londonderry Association.

MR. R. A. McEWEN asked whether it was necessary for apprentices to spend so much time on technical matters. Some of the subjects that were being studied were practicable so far as business was concerned, and that was not fair to the chemist or the apprentice.

MR. GORMAN, in reply, said it had been recognised that some full-time study was necessary. They also had to maintain a standard that would be accepted under reciprocity agreements. For those who were going into manufacture and not into business the study of pharmacognosy was important, and the hospital pharmacist also had to have special training.

THE PRESIDENT said that whether pharmacology should be included in the curriculum as in Great Britain had been discussed. If they were to safeguard the reciprocity agreement they must keep up to

He hoped that the new educational scheme would be more satisfactory for retail pharmacist and the hospital pharmacist for at present it was not satisfactory either to employer or employee. One of the difficulties was to secure the agreement of both the Ministry of Home Affairs and the Ministry of Education.

## COMING EVENTS

### Sunday, October 19

London Pharmacy Ramblers, walk to Chiddington and Aldworth House from Haslemere Station. Train leaves Waterloo at 9.44 a.m.

National Pharmaceutical Union, Windermere Hydro, Windermere, at 2.30 p.m. Area meeting for members in the Isle of Man, Cumberland, Westmorland and North Lancashire. At 11 a.m., service at St. Martin's Church, Bowness-on-Windermere. At 12.45 p.m., luncheon at the Hydro. At 2.15 p.m., ladies' excursion. At 5 p.m., buffet tea at the Hydro.

### Monday, October 20

Hendon and Edgware Branch, Pharmaceutical Society, Brill's restaurant, 206 Station Road, Edgware, at 8 p.m. Mr. J. M. Dowty (a member of the Society's Council) on "The Statement on Matters of Professional Conduct."

Wimbledon Pharmacists' Association, Town Hall, Wimbledon, at 7.45 p.m. Films by courtesy of Imperial Chemical (Pharmaceuticals), Ltd.: "Birth of a Drug," "A Ship Comes in from Texas" and "Man Against Insects."

### Tuesday, October 21

North London Pharmaceutical Association and North London Branch, Photographic Dealers' Association, Beales' restaurant, Holloway Road, London, N.7, at 7.45 p.m. Mr. J. Wellman on "Agfacolor Negative-positive Process."

Walsall Branch, Pharmaceutical Society, board room, General Hospital, Walsall, at 7.30 p.m. Discussion on "The Draft Revised Statements on Matters of Professional Conduct and on Assistants."

West Middlesex Chemists' Association and Branch, Feathers Hotel, The Broadway, Ealing, London, W.5, at 7 p.m. Committee meeting. At 8 p.m., Illustrated address by a representative of Ciba Laboratories, Ltd.

### Wednesday, October 22

Reading Branch, Pharmaceutical Society, Olympia Ballroom, London Street, Reading, at 8 p.m. Annual dance.

Harrow Branch, Pharmaceutical Society, Bush House restaurant, Aldwych, London, W.C.2, at 6.30 for 7 p.m. Annual dinner and dance.

Irish Branch, Photographic Dealers' Association, hall of the Catholic Commercial Club, O'Connell Street, Dublin. Photographic exhibition, open until October 23, 3-11 p.m. daily. At 8 p.m. daily, lecture.

### Thursday, October 23

Portsmouth Branch, Pharmaceutical Society, Solent Hotel, South Parade, Southsea, at 7.30 p.m. Members' open night.

Western Pharmacists' Association and West Metropolitan Branch, Pharmaceutical Society, Slater's restaurant, 18 Kensington High Street, London, W.8, at 7.30 p.m. Dance.

### Friday, October 24

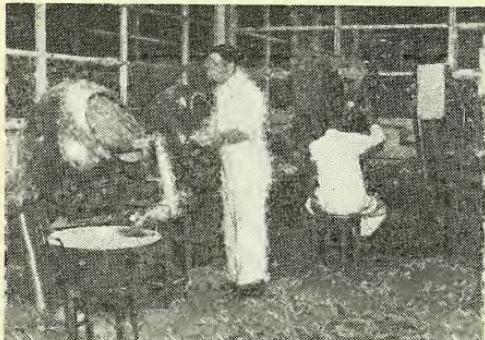
Birmingham Branch, Chemical Society, Chemistry lecture theatre, the University, Edgbaston, Birmingham, at 4.30 p.m. Dr. V. C. Barry on "Studies in the Chemotherapy of Tuberculosis."

Edinburgh and South-Eastern Scottish Branch, Pharmaceutical Society, 36 York Place, Edinburgh, at 7.45 p.m. Discussion on "Whither Pharmacy" opened by Mr. H. H. Campbell (head of pharmacy department, Heriot-Watt College).

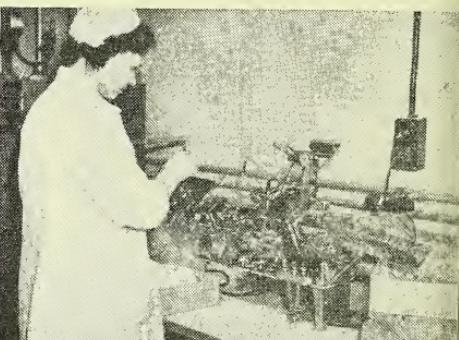
## ROUSSEL EXTENDS IN BRITAIN

MANUFACTURING laboratories recently established at 845 Harrow Road, London, N.W.10, by Roussel Laboratories, Ltd., mark an important stage in the development of that British company. Originally acting as a sales organisation for the French parent company, it is now fully equipped to manufacture the products of the Roussel group for sale in Britain and Commonwealth countries.

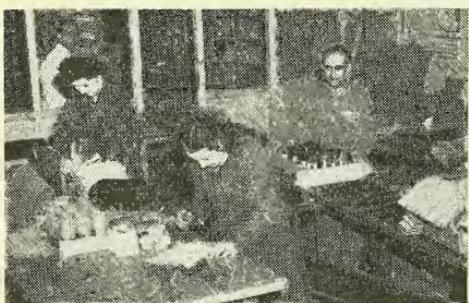
each end and ampoules of normal type. Other apparatus includes a hand-operated filling machine, aseptic screen, autoclave, labelling machines, etc. A solution inspection cabinet designed by the company's workers in France, is in use. A fluorescent tube is the light source and a special arrangement of reflectors within ensures uniform illumination. A spacious control laboratory, under the direction of



Tablet manufacture is helped by good illumination.



Specially adapted ampoule sealing machine.



Conveyors speed the dispatch of orders. The elegant furnishing of the offices (such as that in which Mr. Henricksen, sales manager, is shown at work) is a special feature of the building.

Occupied in 1951, the buildings comprise a two-story structure fronting on the main road, and a one-floor building behind. The first is at present taken up mainly with offices, reception room, and staff canteen. Half the single-story building is devoted to stores and dispatch, the remaining half to tabletting, ampouling and packing rooms and laboratories. In the tabletting room, where the company's whole range of tablets are made, the granulating, drying, compressing and coating stages take place in sequence round the room. The ampouling room is equipped with an automatic filling and sealing machine modified to handle both ampoules necked at



Mr. T. N. Helme, Ph.C., factory manager, also houses the aseptic dispensing screen under which solutions intended for administration by injection are prepared under pharmaceutical supervision.

### Speedy Dispatch of Orders

In the administrative section of the factory a virtually mistake-proof (partly mechanised) system for the invoicing and dispatch of orders enables every order received by the morning post, and even an order marked "urgent" brought by afternoon post, to be dispatched the same day. Export orders are cleared within forty-eight hours.

The parent company was started in 1911 in Paris by Dr. Roussel, a doctor and veterinary surgeon, whose resources for serum production were twenty-five horses, against the 1,500 owned by the company today. Other animal products were gradually developed, and when the use of insulin in diabetes became known the company was the first in France to manufacture it on a commercial scale.

After receiving reports that injecting the insulin preparation caused a fall in blood pressure, workers in the company's laboratories found the causative agent was another hormone present in the pancreas. That hormone was made available under the name Angioxyl for the treatment of hypertension. Presented as a syrup, it is in considerable use in many countries today.

In 1933 one of the company's workers, Frard, devised the first commercial synthesis of estradiol, and since then the company has concentrated more of its effort on sex hormones, synthetic and natural. A new factory was built at Mainville, Paris, in which emphasis was laid on fundamental research. Later a factory was established at Vertolay to provide the heavy chemicals and intermediates necessary for the final products of the group. More recently a company was formed to manufacture penicillin. It is one of the first outside Britain to produce penicillin by deep culture.

To simplify administration the Roussel organisation is split into six sections:

(1) *Institut de Sérothérapie Hémopoïétique*, a development of the original laboratory of the same name founded by Dr. Roussel and concerned with sera, etc.

(2) *Laboratoires des Proxytases*, which manufacture glandular preparations including insulin, liver extracts, etc.

(3) *Usines Chimiques des Laboratoires ançais* (UCLAF), which manufacture chemicals, synthetic hormones, etc., for within the group and for sale in bulk.

(4) *Laboratoires Français de Chimiothérapie*, which manufacture, pack and distribute pharmaceutical preparations based on products of UCLAF.

(5) *Laboratoires Gobey*, which manufacture pharmaceutical specialities.

(6) *Société Français de la Penicilline OFRAPEN*, which manufactures penicillin and other antibiotics.

The whole group is known as Roussel Laboratories, and in Paris alone employs 9,000 workers. The group has associated houses throughout the world.

## NEW PRODUCTS AND PACKS

**New Size and Pack.**—Innoxa (England), Ltd., New Bond Street, London, W.1, have introduced a new smaller size of their White Mask facial for distribution through the company's agents.

**Turtle-oil Face Mask.**—Henry Tetlow Co., Ltd., Beresford Avenue, Wembley, Middlesex, have brought out a new product: Swadown turtle-oil face mask "for blemish-free complexions."

**Children's Hair Curler.**—Riché (Mayfair), Ltd., 14 Hay Hill, London, W.1, have introduced under the name Glug a preparation "warranted to produce a crop of curls on a child from as early an age as the hair grows."

**Isopropyl Solvents.**—Two new isopropyl solvents are offered by Shell Chemicals, Ltd., 105 Strand, London, W.1. They are Shell I.P.S. 1 and 2, and contain 99 per cent 85 per cent. isopropyl alcohol by weight respectively.

**Livestock Aid.**—Imperial Chemical (Pharmaceuticals), Ltd., Wilmslow, Manchester, have introduced Minel, a worm and fluke remedy with trace elements put up for the elimination of parasitic worms from cattle and sheep and to provide the copper and cobalt essential to livestock.

**Lipstick That "Stays On."**—A new "Indelible Creme" non-drying lipstick has been introduced by Revlon International Corporation, 61 Grosvenor Street, London, W.1, in twelve shades. The makers state that it "never cakes, never looks blotchy, never wears off in patches." It has been on sale since October 14.

**Penicillin Lozenges in New Pack.**—Thomas Kerfoot & Co., Ltd., Bardsley Vale, Ashton-under-Lyne, have introduced, in moisture-proof wrapper, a pack of twenty-five cartons of rolls of ten penicillin lozenges. The individual rolls are packed in wax tissue and foil and are recognised as an original pack for N.H.S. purposes.

**Handkerchief Tissues.**—The latest addition to the range of goods marketed by POND'S EXTRACT Co., Ltd., Wadsworth Road, Perivale, Middlesex, is a handy pack of tissue handkerchiefs.—On another page in this issue VELVET CREPE PAPER Co., Ltd., Alperton Mills, Alperton, Middlesex, draw attention to their new compact size of Velvet handkerchief tissues, containing 120 tissues in sixty pulls.

## TRADE NOTES

**Ampoule Files.**—Arthur Dorp, K. G., Solingen, Germany, invite users to apply for samples of their ampoule files (Western German patent No. 826,102).

**Perfume Sprays.**—S. Murray & Co., Ltd., 45 St. Pancras Way, London, N.W.1, undertake the manufacture of perfume sprays made to customers' samples or standard patterns.

**Bonus Offer.**—The English Grains Co., Ltd., Shobnall Road, Burton-on-Trent, offer a bonus yielding 70 per cent. return on Yestamin parcels ordered before November 22. Details are given on another page.

**Now in Non-crushable Tube.**—The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, are now offering Crookes hand cream in non-crushable tube at a bonus discount of 33½ per cent. and fourteen to the doz.

**Return of Stocks.**—Chemists are asked by Sharp & Dohme, Ltd., Hoddesdon, Herts, to return all stocks of Cremodiazine, for which credit, including postal charges, will be given. A new flavouring agent (spearmint) will replace the wintergreen hitherto employed. To ensure uniformity in meeting prescriptions, credit will be given for broken bulk returned direct. Wholesalers already have stocks of the new-flavoured Cremodiazine.

**Hand Cream in an Additional Pack.**—Hinds honey and almond hand cream is now being issued by the makers, A. S. Hinds, Ltd., 565 Kingston Road, Raynes Park, London, S.W.20, as a solid hand cream in a jar. It will be in the shops in mid-October. Basically the formula is the same as for the company's liquid cream, but it has been felt that nowadays many women prefer to use a solid cream out of a jar. With the cream in jars, tubes and bottles, all tastes are now catered for. The jar has pink cap and label.

**Chemical Machinery Fair.**—A first professional fair of equipment for the chemical and food-processing industries is being held at Rotterdam Holland, October 21-29. It is organised by the Royal Netherlands Industries Fair in close co-operation with the foundation Vochema, recently established by representatives of industry and trade engaged in this branch of industry. A series of morning lectures on technical-chemical subjects will be held

during the Fair at the Institute of Shipping and Aeronautics at Rotterdam, and the Dutch Chemical Society and Royal Dutch Institute of Engineers have promised their entire co-operation for the congress.

**Brush Design Competition.**—The tenth in a series of design competitions organised by "Art and Industry" calls for designs of three types of brush suitable for moulding in thermoplastic material. There are prizes of £50, £30, £20 respectively for designs of ladies', military and naval brushes and several consolation prizes, and the closing date is November 30. To assist competitors, an article on brush manufacture at the works of Hughes Brushes Ltd., Slough, appeared in the September issue of "Art and Industry." The competition specifications are set out in the October issue. Messrs. Hughes state that they would be pleased to have the ideas of any member of the trade who has thought of ways of improving brush design but is diffident about competing with professional designers.

**Now Tax-free.**—The following products became exempt from tax from October 6

**ABBOTT LABORATORIES, LTD.**: Dicalmin capsules and Phenuron tablets, 0.5-gram

**ALLEN & HANBURY'S, LTD.**: Calcydol tablets and granules.

**HERTS PHARMACEUTICALS, LTD.**: Pyrazide (isoniazid) tablets, ampoules and syrup.

**IMPERIAL CHEMICAL (PHARMACEUTICALS), LTD.**: Mysoline and Vazodrine.

**MEDO-CHEMICALS, LTD.**: Aminomed.

**MENLEY & JAMES, LTD.**: Furacol soluble dressing (2-oz. tube, 4-oz. and 16-oz. jars); and Furacin solution (2- and 16-fl. oz. bottles). (Furacin dressing veterinary is also exempt, but tax has not been removed from Furacin dressing veterinary with anaesthetic.)

**PARKE, DAVIS & COMPANY, LTD.**: Camoquine tablets; Veratrone (boxes three 1-c.c. ampoules; bottle of 1 fl. oz.

**RIKER LABORATORIES, LTD.**: Veriloid tablets, 1- and 2-mgm.; Veriloid-VP tablets; Veriloid intravenous (Veriloid with phenobarbitone) solution containing 0.5 mgm. Veriloid per c.c.

**SHARP & DOHME, LTD.**: Benemid tablets (p-(Di-n-propylsulphamyl)).

**A. J. WHITE, LTD.**: Nefco (5-nitrofuraldehyde semicarbazone).

Other specialities freed from tax were given last week.

## WOODBERRY DOWN HEALTH CENTRE OPENS

THE official opening took place on October 14 of the London County Council's specially built Health Centre at Woodberry Down, Stoke Newington, the first of its kind in the metropolis.

There are separate entrances for each group of units, with one entrance and two exits for that of the general practitioners and dentists. The other units comprise a school health unit, child welfare unit, antenatal unit, remedial exercise and child-guidance unit, and staff rooms. The entrance to the general medical and dental practitioners' unit, on the main front, leads to a small waiting hall, with a record office and inquiry counter, a nurses' room, and lavatory accommodation. From the waiting hall corridors lead off to six suites for the use of medical practitioners. Each suite comprises a waiting room to accommodate about twenty patients, and a consulting room with lavatory basin and sink. Opening from the consulting room is an examination room, approximately 9 ft. x 3 ft., equipped with a couch, an undressing cubicle, and lavatory basin. There is a separate exit from the consulting room to the main corridor, so that patients need not return to the waiting room. An isolation room is provided immediately adjacent to one of the exits on the main frontage in order that infectious cases can be easily removed by ambulance.

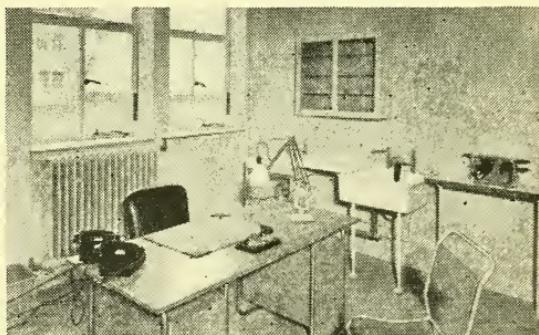
On the first floor are a minor operations room with rooms for sterilising and dressings adjacent, a recovery room, and a suite for the testing and treatment of yes, which will also be available for the use of visiting specialists. In a clinical side-room the doctors can carry out routine investigations. Also on the first floor are two dental surgeries. There is sleeping accommodation for the doctor on night

duty. A small medical store houses drugs needed for use on the premises. Prescriptions will not be dispensed in the centre but will be taken by patients to any of the chemists' shops in the neighbourhood.

The cost of erection of the centre was around £141,386. It is estimated that maintenance costs in the first full year's working will amount to about £21,230 for the local health authority services, and £12,700 for the general medical services.

As previously stated (*C. & D.*, April 26, p. 579), general practitioners to work in the centre are being chosen by the Executive Council, and for some time the County Council and the London Executive Council, together with the Local Medical Committee for London, have been discussing arrangements under which doctors should work in the centre. Some sixty doctors practise in their own surgeries within a mile radius of the centre, and it is expected that the six doctors to work in the centre will be chosen from these. Contracts embodying the arrangements have required much discussion between the legal adviser of the Ministry of Health, the London County Council, the British Medical Association and the London Executive Council. It is understood that these consultations are now complete.

The existing distribution of other L.C.C. maternity, child welfare and school treatment centres is uneven but the aim is to replace most of them with health centres each serving about 20,000 persons. The Council has already bought a number of sites and six more are designated for compulsory purchase in the County of London Development Plan, 1951. No proposals for new health centre buildings are, however, included in the Plan. The intention is to subdivide the health divisions into areas.



Left: Entrance to general practitioners' unit. Right: General practitioner's consulting room.

## AMERICAN CHEMICAL CONFERENCE

A RECORD number of papers (1,046) were presented to the 122nd national meeting of the American Chemical Society, which took place in Atlantic City, New Jersey, U.S.A., September 14-19, and was attended by more than 8,000 chemists. Among developments of pharmaceutical interest reported to the meeting was the discovery of a substance of botanical origin which, in experiments, had speeded rabbits' blood clotting rate by 30 per cent. and had potential uses as an anti-haemorrhage drug. It was described by PROFESSOR F. M. MILLER and MR. I. M. CHOW, University of Maryland, and its plant source was yarrow or milfoil, *Achillea millefolium*. The substance was a crystalline compound with a sugar-containing molecule. A team of four chemists of the National Drug Co., Philadelphia, had found that phosphorylated hesperidin possessed a powerful anti-hyaluronidase action in animals. The drug was undergoing preliminary tests on human beings suffering from osteoarthritis, rheumatoid arthritis, and bursitis (in which the action of hyaluronidase was thought to be significant) but no results had been announced so far. DR. OTTO SCHALES (professor of biochemistry, Tulane University) reported that dimethylamino-isopropyl-phenothiazine would retard the deterioration of red blood cells which normally became weakened during storage. The author based his research on the assumption that the weakening of red blood cells was due to enzyme action on the red-cell membranes. Erythrocytes stored for seven weeks with the new preservative were "no more fragile than fresh red cells."

DRS. WACLAW SZYBALSKI and VERNON BRYSON (Long Island Biological Association, Cold Spring Harbour, Long Island, New York) thought that a properly chosen combination of isoniazid with an antibiotic stood a good chance of wiping out a tuberculous infection before resistance could be developed. Such a combination could be used when there was no biological or chemical "antagonism" between the drugs. If not enough streptomycin were used with isoniazid, antagonism was built up between the two drugs and the bacteria became resistant to isoniazid more rapidly than without streptomycin.

MISS LILLIAN A. RUSSELL (Illinois State Water Survey) described the use of ultrasonic sound waves in the sterilisa-

tion of water and milk, and biochemists of the Commercial Solvents Corporation, Terre Haute, Indiana, reported that piglets two to five days old, when implanted with a pellet of bacitracin under the skin, increased in weight by 10 per cent. more than normal, and were freer than normal from disease.

MR. M. BEROZA, of the United States Department of Agriculture, told the meeting that the "thunder god vine" (*Tripterygium wilfordii*) a Chinese shrub used for centuries to protect crops from pests was now being cultivated successfully in the United States. Four closely-related compounds which provide the insecticidal power of the vine had been found in the bark of the roots. They had been given the names wilforine, wilforgine, wilfordine and wilfortrine. DR. ROLAND M. KARY of the American Smelting & Refining Co., Barber, New Jersey, announced the discovery of a new arsenical insecticide which he said was effective against grasshoppers, termites and a variety of beetles, weevils and bugs. Designated compound A-42, the new insecticide has three times the potency of DDT in controlling flour beetles.

A test for fluorides, which can be performed in about fifteen minutes, was described by PROFESSOR M. L. NICHOLS and MR. A. C. CONDO, JUN. (Cornell University, Ithaca, New York). It is based on the change of colour observed when fluorinated water is added to an iron-containing solution of either resacetophenone (colour change, deep red to colourless) or 5-phenyl-salicylic acid (colour change, purple to colourless). Concentrations of fluoride are determined with the aid of a filter photometer.

### Manpower Problems

Dealing with chemical man-power in the U.S.A., DR. B. R. STANERSON (a member of the Society's committee on man-power) reported that results of a survey of students graduating in chemistry at 793 colleges, universities and technology institutes, showed that only 5,300 chemists were expected to graduate in 1952-53 (less than half the number graduating in 1949-50), while in 1954-55 the total would drop to 5,000. DR. RALPH A. CONNOR (chairman of the committee) said that the figures proved that the supply of chemists would become increasingly critical for the next few years—a time of hoped-for expansion in the industry.

# CHEMICAL MANUFACTURERS' ANNUAL MEETING

THE annual meeting of the Association of British Chemical Manufacturers was held in London on October 9, the chairman (Mr. C. G. Hayman) presiding.

## Development Since 1949

In his address as chairman, MR. HAYMAN stated that the director (Mr. J. Davidson Pratt, C.B.E.) had now collated the replies to the inquiry into the position of the various schemes of rehabilitation and expansion in hand or under contemplation in 1949 referred to in the report on the Chemical Industry which the Association submitted to the President of the Board of Trade in 1949 (*C. & D.*, 1949, II. 59). Schemes for research and development in 1949 had been estimated at £8.3 millions, of which £1.5 millions had then been spent. To the date of the meeting, 10 per cent. by value of the schemes had been completed; another 36 per cent. were in progress, 8 per cent. had been postponed, and 6 per cent. had been abandoned. Schemes for expansion of production capacity represented a capital expenditure of about £200 millions, based on costs at that time. Schemes representing 1 per cent. of that total had now been completed; 34 per cent. were still in progress (many of them should be completed in 1952), 15 per cent. had been postponed mainly owing to difficulty in getting the necessary building licences), and 9 per cent. had been abandoned for various reasons. The expenditure incurred had in general shown a substantial increase over the original estimates. The Council had decided to collect data every year on the progress of the industry.

The official Board of Trade index of production of the industry, based on 1946 taken as 100, was 123 in 1949, and 165 for the first half of 1952 (an advance of seven points over 1951). That seemed surprising in the light of the trade recession all had been experiencing in recent months, but the figures should not be taken too literally. The position has been worsened by the import restrictions which many other countries, including the Commonwealth, found it necessary to impose—as Britain did—to restore the balance of trade and ensure solvency. Most countries in Western Europe were having similar difficulties, and their chemical industries had been affected accordingly. There were eight signs of improvement in the United Kingdom, which members could only hope

would reliably indicate the passing of that depressing phase. In any event, they must not allow events to deter them from going ahead with schemes of expansion essential to the economy of the country.

Whilst acknowledging the abnormal conditions which made necessary the severe restrictions the Government had imposed on new projects and extensions, Mr. Hayman said it was to be hoped that such restrictions would soon be materially relaxed and the hold-up to vital schemes of expansion remedied. They must realise that the sellers' market they had enjoyed since the war no longer existed, and that they would meet intense competition overseas from the greatly expanded chemical interests of the United States and the rehabilitated production units of Germany and other European countries. The true art of selling, as Britain understood it before the war, must now re-emerge with greater force and fervour. It was gratifying to find that, in spite of all difficulties, exports for the first eight months of 1952 were 3 per cent. up by comparison with the corresponding period of 1951, whilst imports had been reduced by 26 per cent. The picture of the dollar markets was less encouraging: 1951 had shown a great improvement over 1950, but this year there was, to date, a decline of about 20 per cent. for the U.S.A. and 27 per cent. for Canada.

The trade recession had brought back a surplus of many raw materials which previously had been in short supply, and that had created new problems.

## Problem of Effluents

The Association faced a number of problems. One was effluents. As an industry members were fully mindful of their responsibilities, but their problems were numerous and complex. Recent legislation regarding pollution showed clearly that outlets available in the past would probably be denied to them in the future. In short, they had been given seven years in which to make arrangements to render effluents innocuous so that they could be discharged into streams without damage to animal and plant life. By pooling the information and experience of members, and by co-operative sponsorship of investigation into those effluent problems for which no adequate solution had yet been found, the industry had the best means of meeting the new legal obligations efficiently and economically.

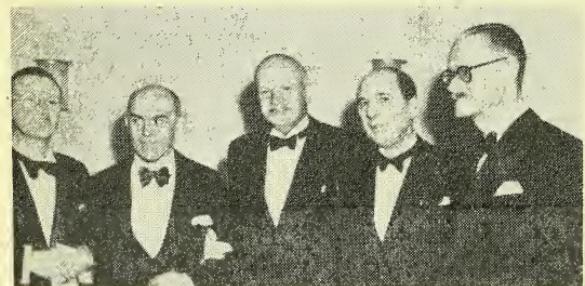
## CHEMICAL AND THEIR GUEST



The High Commissioner for Canada (Mr. N. A. Robertson) with the chairman (Mr. C. G. Hayman).



Left: Messrs. W. J. Tristram and I. V. L. Fergusson.  
Right: Mr. E. P. Hudson and Mr. A. J. Quigley.



Above: A group of diners.  
Below: Group including Dr. H. Sutton, Major C. P. J. Ball and Dr. H. E. Watts.

"THIS year we have established yet another record in attendance," said CHAIRMAN (Mr. C. G. Hayman) at annual dinner of the Association of British Chemical Manufacturers on October 16. Welcoming the guests, he said that various Government departments represented by, among others, the Permanent Secretaries of the Board of Trade (Sir Frank Lee), Ministry of Materials (James Helmore), Ministry of Supply (Archibald Rowlands), and Ministry of Agriculture (Sir Alan Hitchman), led a host of scientific and technical institutions and representatives of affiliated associations and organisations, and the technical Pres-

"We meet this evening somewhat in the shadow of a trade recession, which has been in evidence for some months past and still does not show very tangible signs of improvement." The frenzied urge of the immense vacuum created by the end of war could not last, and indiscriminate buying—and easy selling—was bound to give place to a sterner order of battle. Increased productivity was undoubtedly essential. Reduced to the pell-mell terms, the problem meant hard work by all concerned.

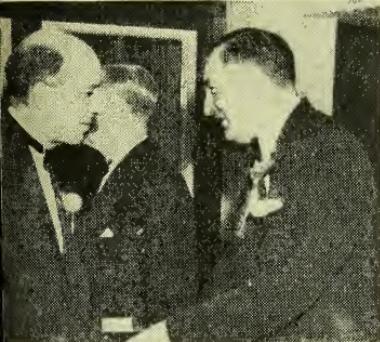
Mr. Hayman then formally introduced the High Commissioner for Canada (Mr. N. A. Robertson) as a Rhodes Scholar.



Above: Messrs. W. K. Hutchison and G. E. C. Below: Major T. Knowles and Mr. G. E. Ho



# FACTURERS INNER IN LONDON



Commissioner for Canada welcomed by Mr. Wilson Pratt.

and distinguished record of service to the Canadian Government in Internal Affairs.

N. A. ROBERTSON, in response to Mr. Wilson's toast of the guests, said the Canadian Government was playing an important part in the industrial development of Canada. Before the war Canada had sent to the United Kingdom about 10 per cent. of all her chemical and allied products. In the twelve years since 1939 imports from Britain had about doubled but total imports of all products had increased by six times, and the proportion of imports from this country had gone from about 17 per cent. to about 8 per cent. The criticism was that the Canadian chemical industry more than of any other in general, because the chemical industry had not, since the war, increased its exports to Canada in proportion to the effort of the United Kingdom in value or in volume, yet over those twelve years Canadian imports of chemical products had increased. He would think that there was some slack to be taken up between Britain and Canada.

Below: Mr. Wilson Pratt with Dr. W. E. Diamond and Mr. C. B. Selby-Boothroyd.



Profile of a diner.



Sir H. J. Ross.



Sir Harry Jephcott with Mr. W. F. Lutyens.



Mr. A. Whitehead, Dr. A. E. Everest and colleague.



Mr. W. John Ryan.



Dr. R. A. M. Case.  
Below: Mr. C. B. Selby-Boothroyd.



Messrs. Wilkinson, Nelson and Malone. Below: Sir P. J. Grigg, Maj.-Gen. B. K. Young and Sir A. Rowlands.



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about suppliers of the following items:

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PRYCHYL

S.L. 37

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F "99"—available in capsule, liquid and ointment forms—is a concentrate of the active isomers of Linoleic and Linolenic acids, the highest achievable purity and standardized biological activity.

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F "99" has no N.F. equivalent, is not advertised to the public and may be prescribed on EC10. The average net weekly cost is 3s.

Literature on request.



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 icial organ of *The Pharmaceutical Society of Ireland*, *The Pharmaceutical Society of Northern Ireland*, *The Chemists' Druggists' Society of Ireland* and of *er Chemists' Societies in the Empire*.

L. CLVIII October 18, 1952 No. 379

## Current Problems of the Chemical Industry

in 1949 the task of devising capital development schemes to bring about, in order of priority, a lessened dependence on imports, particularly from the U.S.A., the supply to other home industries of the chemical products they need, only thirdly to expand its own direct exports, the chemical industry of this country has developed to such an extent that total exports of chemicals, drugs, and colours rose from £86.1 million in 1949 to £142.7 millions in 1951, and are at £96.2 millions for the first nine months of 1952. Of the development schemes put forward in 1949, 41 per cent. are completed, 34 per cent. are in progress, and 9 per cent. are, for various reasons, abandoned. Those in the pipeline involve some of the acute problems confronting the industry today, they are postponed principally owing to difficulty of securing building licences. As the chairman of the Association of British Chemical Manufacturers pointed out at the annual meeting on October 9 (1952), the long view must be taken and that restrictions imposed by overseas countries to ensure solvency be regarded only as passing handicaps, any deterrents to further capital expansion can have only a deleterious effect on the country's economy and progress. The present needs for the relaxation of restrictions so far as they can possibly be eased, for minor changes to encourage incentive, or the exploitation to the full of the

arts of salesmanship in conditions that are becoming increasingly those of a buyers' market. Greater co-operation within the industry can eliminate some of the frictions that slow down output and smooth out violent fluctuations of supply and demand.

Increased productivity is, in the chemical industry as in all others, essential, and the Association's chairman gave the recipe in the simplest terms as "harder work for all concerned." Instead of hoping for supplies of materials in short supply, alternatives ("not substitutes") must be developed.

The recently added burden of finding new ways of dealing with effluents is a challenge that undoubtedly weighs heavily in present circumstances and is no doubt unwelcome. It may prove, however, as has happened in the past (was not glycerin once an "effluent"?) that once the problems are solved—and the high degree of organisation that has been achieved in the industry brings the pooling of constructive ideas much more into the realm of practical politics—the economic prosperity of the industry, and therefore of the country, will become greater than ever before.

## Muscling In

THE recently formed Guild of Dispensers is at present engaged in a vigorous campaign of recruitment. There is nothing wrong in that and we have always held that it is up to every considerable body of workers to organise to protect their interests. It is perhaps to the loss of pharmacy that employed pharmacists have never been successful in organising themselves into a single effective association. That, however, is by the way. It is the terms in which the dispensers are carrying out their campaign that should give pharmacists pause and put them on the alert.

Their language, it is true, is not very lucid. After stating that their object is to become associate members of the Pharmaceutical Society, they continue: "We shall urge that associates should be permitted to keep open shop at all times, and that the only limitation to their activities should be that they are not allowed to

open on their own account or control any new business for a specified length of time laid down by the Society." We take it, though we cannot be sure, that they are proposing to be allowed to become, after a prescribed probationary period, the proprietors of businesses that would be indistinguishable in the public eye from premises registered in accordance with the Pharmacy and Poisons Act, 1933. The suggestion hardly needs more than stating in that form to be shown up as the preposterous proposal it really is. On another page, in a letter by a writer with almost a Shavian command of English, the specific claim is made that the Pharmaceutical Society should institute an assistants' examination and that all passing it should be allowed to sell Part I poisons and dispense without supervision. As it is known that the Council regards itself as mandated to institute an examination for assistants, it is more than ever imperative that they should embody in any innovations adequate safeguards against the undermining of the pharmaceutical qualification. The "specified length of time" before which assistants should be allowed to open as proprietors should not be entertained, and in no circumstances should the examinees, whether called assistants, technicians or dispensers, be granted "associate," and still less full, Society membership.

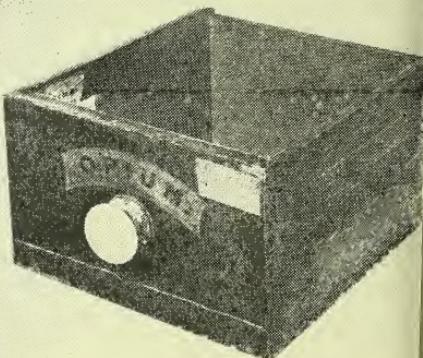
### Metric Misunderstanding

The statement, in an article in the "Manchester Guardian" entitled "For and Against Change in the Metric System—Controversy in the Drug Trade" that some sections of the industry appear to have had second thoughts on the adoption of the metric system, must be considered a little premature, if not misleading. The position is that any disagreements that may have occurred must presumably have taken place in committee, for the Association of British Pharmaceutical Industry, the body responsible for adopting the switch-over from Imperial for certain purposes (*C. & D.*, April 26, p. 577) has announced no change of plan and has the subject on the agenda for its meeting on October 16—i.e., after this issue of the *C. & D.* has gone to press. Only after that meeting is any official statement by the Association likely to be forthcoming.

Then, and only then, is any mention of "target date" appropriate, though it is true that the Spring of 1953 was mentioned. While, too, it is correct that "negotiations are in progress" with the Glass Manufacturers' Federation to obtain a standard range of Winchester bottles by metric measure, no practical outcome can be expected from the negotiations until the drug-trade manufacturers themselves have reached agreement as to the optimum capacity of the bottles, and that controversial detail has still to be settled.

### OPIUM AT 1s. 6d. PER OZ

A LINK with days when prices were very different from those of today, and when Dangerous Drugs regulations had not been thought of, is provided in the shop drawer sent in by Mr. A. T. Keogh, M.P.S., Dundee, now in retirement. Mr. Keogh e



barked on his pharmaceutical career in 1885, when he commenced a five-year apprenticeship in Dundee. He took out his first pharmacy as proprietor in 1890. Two-and-a-half years later he acquired Western Medical Hall, changing its name to the Heathfield Pharmacy, the name which it continued to be known until he retired. The state of the added label "Leaves" suggests that the drawer was abandoned for its original purpose before legislation compelled the storing of opium under lock and key, but the price of 1s. 6d. per oz. for opium remains on the label inside the drawer. Underneath, Mr. Keogh has added a cutting from a price list giving the ounce rate for powdered opium at 25s. 1d. He writes: "The fact that Dundee has long been a port for the jute-laden ships from India has accounted for such an abnormal demand."

## CORRESPONDENCE

Letters may be sent for publication under an assumed name, but the correspondent must furnish his real name and address to the Editor

### Pickwick v. Pecksniff

SIR,—As only two clearly-defined points emerge from the recent discussion on the unqualified," namely, that pharmacy laboratory technician was a more descriptive term than dispenser, and that tea-time was at 4 o'clock, may I, with all the confidence proper to my present legal position in pharmacy, make the following suggestions? The Council should institute assistants' examination similar to that the Apothecaries' Hall, and all passing should be entitled to sell Part I poisons and to dispense without supervision in an establishment controlled by a pharmacist. To debar an experienced assistant in pharmacy from selling a bottle of compound iodine tablets and to allow a seedsman to sell arsenic and nicotine is a situation without parallel except in the works of Gilbert and Sullivan. Assistants with ten years' experience or more should be deemed to have passed the examination, and those who elect to take it and pass, together with holders of the Hall certificate with a similar length of experience, should be given full membership of the society. All others, whether counter or dispensing assistants, should be required to pass the examination or quit pharmacy. I realise that these proposals will provoke the usual stock cries of "back-door methods" and "invaded rights and privileges," but for the benefit of those misguided gentlemen to whom privilege and prejudice are interchangeable terms, and to continually thank Galen that their certificates emanate from Bloomsbury and from Blackfriars, I quote the following answerable precedents:

- (a) When the Dental Register was opened a large number of unqualified dentists passed on to it without any examination whatsoever and amongst these were to be a number of pharmacists.
- (b) The nursing profession adopted a procedure similar to that of the dentists when it put its house in order a few years back.

And did the nursing and dental professions suffer in efficiency or standing in consequence, and would pharmacy do so by solving a similar problem in a similarly realistic manner? Of course not! In the interests of both pharmacy and the public

matter should be settled, and the seat to the prestige and functions of the

Council by more progressive bodies solving the problem in their own way, makes it imperative that it should be settled at once. I once suggested that Bloomsbury Square was haunted by the ghost of Pecksniff, but I am hoping that before long this odious spectre will be supplanted, by the more just and tolerant spirit of Mr. Pickwick as the patron ghost of pharmacy.

"HALL-UNASHAMED."

[Editorial comment, p. 539]

### The Arrears Proposals

SIR,—Those of us who are in business are going to receive, if we have not already done so, the Ministry's proposals, given in ECN107, for partial clearance of arrears of pricing of N.H.S. prescriptions. If anyone fails to return it, whether because he is on holiday, or it goes astray, he will be deemed to have accepted, irrespective of the financial loss or gain it may mean to him. The customary 1 per cent. check proves that there is an approximate 50-50 chance of being over- or under-paid. The Central N.H.S. (Chemist Contractors) Committee state that, if all contractors accepted, the time lag in pricing would be reduced by about eight weeks. The Ministry say it would be reduced by about five weeks, and they reserve the right to decide, if they get a sufficient number of acceptances, whether or not the proposal will be implemented. Not long ago, through the Central Committee, we were asked if we would compound our fees for six months to save three weeks of pricing time. The proposal was turned down flat. We took a cut of over £1 million on containers. We took a reduction of "on cost" from 33 per cent. to 16 per cent. (ultimately partially restored, after pressure by the Committee to 25 per cent. plus one penny on the fees). Under the present scheme the chances are nearly at "football pool" odds, but individual chemists cannot know whether they have a chance of over payment or not—we are never supplied with our "A" bundle average figures nor told how our "S" bundle lifts them up. Remembering that "no reply" is taken as acceptance, let us have no apathy this time.

Yours faithfully,  
H. JARVIS GRAVES.  
Exmouth.

# PHARMACIST AT A CENTURY-OLD HOSPITAL

Mr. J. Wycliffe Peck, Ph.C., F.R.I.C., gives his experiences as dispenser and pharmacist, 1896-1936, at the Hospital for Sick Children, London, which this year celebrates the centenary of its foundation.

THE Hospital for Sick Children, London, is this year celebrating its centenary and it is fitting to look back on its pharmacy and pharmaceutical department during the long time I have had the honour of being associated with it.

## Youngest "Chief"

I became a member of the staff in 1896 as assistant dispenser and in 1898 was appointed Chief Dispenser. As I passed the Minor examination of the Pharmaceutical Society in 1896 and the Major in 1898, I believe I have the distinction of having been the youngest man ever to be appointed by a Hospital Board as Chief. The dispensary now became the Pharmaceutical Department and my own designation "The Pharmaceutist." Having had an apprenticeship in a hard school, where responsibility was forced upon me at an early age, and where, on asking a question, I had the British Pharmacopœia put into my hand and where my hours of work and being on call were ninety per week, I made it my business to work hard and know everything. I made 1-oz. quantities of everything in the B.P., 1885, and with a microtome and a good microscope learnt much about botanical drugs. A year followed in a first-class business in London which gave me the necessary confidence. Those were the great days of pharmacy and the leading men of the time were giants of its history: William Martindale, Michael Carteighe, Corder, Walter Hills, Greenish, Thomas Maben, Wootton and Peter MacEwan (of the C. & D.) with many others. I must especially mention W. S. Glyn Jones and Edmund White, who were in their separate ways great men and who honoured me by their friendship.

I note that, at the British Pharmaceutical Conference of 1896, J. C. Umney gave a paper on oil. menth. pip. At the Conference there was a discussion on condensed milk, "a very important food for the poor, especially in large cities, much to be preferred for young children than cow's milk, in which may be found borax and boric acid as preservatives." I mention this because hospitals had no biochemists at that time, and in consequence I did all the analytical work, including work

on the daily milk supply, and as time went on was drawn into many investigations into cerebro-spinal fluids, etc. The H.S.C. Pharmacopœia, 1900, stated that "Cow's milk is a good and easily obtainable substitute for the mother's milk."

Before I was appointed Chief, one of the senior physicians brought me quite casual and with infinite charm two full length Latin prescriptions to translate and a preparation only to be found in "Beasley." He seemed pleased and astonished that was able to satisfy him immediately. Before 1900 a pharmacist had valuable experience and became a "king" of the pestle and mortar and the plaster iron. man was expected to be able to make rapidly batches of pills, some containing atrocious mixtures and requiring great skill to varnish, silver, gild, pearl, or sugar-coat; to make perfect suppositories; to spread plaster of belladonna on white leather; to roll out, like making pastry thousands of lozenges, cut and dry them. My hospital experience was based on the B.P.'s of 1885, 1898, 1914, 1934 and, of course the various editions of the British Pharmaceutical Codex and "Martindale" for reference. The practice of pharmacy rose to considerable heights and much was expected in accuracy. Standards were worked out and many alkaloidal determinations were made.

## Financial Handicaps

I was determined that the child should have the nicest mixtures and finest cream emulsions possible, costs permitting. Also as in most charitable institutions, expenditure exceeded income. In the dispensary in 1896 the sole manufacturing plant comprised one kettle, one saucepan, one grating, a large and a small mortar, with two glass ones, a tincture press and about twenty 3-gall. earthen jars with handles and 5- or 6-in. corks. The jars always reminded me of the forty thieves. They were used in 1896 to make tincture of orange, etc. The diluted alcohol and coarsely powdered drug were mixed together and corked. After the allotted time for maceration the tincture was poured off when required. Maceration continued for a long time and as alcohol was cheap some eva-

ration was expected. From that primitive state of things the department developed and was included as one of the seven great London Hospital pharmaceutical departments in your illustrated article by the late Herbert Skinner (C. & D., 1933, I, 712). That showed steam-jacketed pans, steam sterilisers, alcohol and water stills, tablet-making machine, etc. All waste alcohol from the wards and theatres was distilled and used over again. Syrup of senna, liquid extracts, lead plaster, ointments and creams were made in wholesale quantities. Everything that could be produced economically was made in the department. Tablets superseded the hundreds of thousands of powders, cachets and pills that were formerly used. Grosses of powders were made every day and I bought thousands of grey powders, gr.  $\frac{1}{2}$ ,  $\frac{3}{4}$  and 1, and grey powder with rhubarb of many sizes. Most of the patients at one time took away twenty-four, thirty-six or forty-eight powders. Cod-liver oil and cod-liver oil with malt extract were valuable standbys. Thousands of children seemed to live on slabs of bread covered with cheap jam. Halibut-liver oil was thrown away at the fisheries until it was found to be valuable. Vitamins changed the diet and medicine for many. Emulsions of pilchard oil, arachis oil, cotton seed oil and soya all had a brief trial. Syrup ferri phosph. co. was made in 20-gall. lots and syrup of iodide of iron was continually being made in 2-gall. quantities. In the 1900 H.S.C. Pharmacopœia there were forty-one mixtures and fourteenointments and the physician generally added something to each stock mixture. Five-hundred out-patients a day, with an average of three items each, made no light job for a limited staff. In 1900, mist. olei orruæ was:—

Tincture of calumba, 5 minims.

Cod-liver oil,  $\frac{1}{2}$  drachm.

Lime water,  $\frac{1}{2}$  drachm.

rum ferri or steel wine was:—

Iron and ammonium citrate, 1 grain.

Rectified spirit, 7 minims.

Water to 1 drachm.

There was indeed a need for pharmaceutical preparations. Five to 7 minims of alcohol was a wonderful stimulant, and no doubt saved many lives, but 30 to 90 minims of tinct. belladonnaæ, t.d.s., for uretersis in a small child, gave me some anxious moments. The carpenter made me several dozen large white-wood spatulas for the many mixed ointments that had to be rubbed down on the marble table. Small

bone and large steel ones were the only ones made. These large white-wood spatulas were soon found in every hospital. 30-gall. quantities of lin. tereb. were continually being made. This was camphor, turpentine, soft soap and water. When lysol became known I was soon making 20-30 gall. lots. The cresol and linseed oil formula product was preferred. My large steam-jacketed pan was continually being cleaned to make one or other preparation—lysol or malt and cod-liver oil.

### Innovations

These early days saw the first work on the use of sodium citrate and milk for infant feeding—a method which saved thousands of lives (Dr. F. J. Poynton). Dextrin-Stovaine solution for intraspinal injection was invented, and in the hands of a skilled surgeon became a most valuable anaesthetic. The "invention" of Pexuloid non-inflammable celluloid splints put a new department into the hospital and brought the realisation of great hopes for the relief of thousands of "polio" cases throughout the world. The long story of glucose, solid and liquid, for use by mouth and by transfusion, has yet to be written. Its use was rapid, from a few pounds to purchases of ten tons at a time. By request, the makers of barley sugar added 15 per cent. of glucose and the product is now in world-wide use.

Liquid paraffin started its career at Great Ormond Street and at Guy's Hospital, under the influence of Sir William Arbuthnot Lane. This is a world-wide story and, in the course of a few years, I was buying, in association with several other hospitals, over 6,000 gall. a year. My department was moved in 1908 to more generous surroundings which gave more scope for good work. We supplied the needs of our convalescent homes, Cromwell House, Highgate, Tadworth Court, and several specialised homes by the sea. In the use of poisons and Dangerous Drugs everywhere, organisation was important. The great spirit throughout the hospital enabled me to pay frequent visits to the wards and inspect the labels and storage. Most of the catgut used in the theatres was sterilised and prepared by me. Thanks to an excellent staff I do not know of a single serious mistake in my department.

Mention should be made of the various editions of the H.S.C. Pharmacopœia which became a vade-mecum for the whole

hospital staff, and had a ready sale throughout the world.

During 1899 and 1900 I took up seriously the study of bacteriology, studying with a brewer's chemist. In 1901 I was appointed assistant bacteriologist to the hospital. The science was a new one (Pasteur died in 1895 and Koch in 1910) and few hospitals had a laboratory. I found time after 3 or 4 p.m. each day, to make media, cultivate specimens from the wards, examine slides of sputum, etc., make swab-bings and cultivate likely diphtheritic material, make slides, stain by various methods and examine under the 1/8 and 1/12 oil immersion lens. I made over a thousand complete examinations for diphtheria alone, in addition to all the daily needs during the 5½ years I held the post. I visited the slaughterhouse and held my glass jar under the dying sheep for blood to make blood serum. Thence I pursued investigations into typhoid, T.B., but most important at that time, the dreaded scourge diphtheria, groping all the time for knowledge. Sterilisation henceforward became all-important, touching everything from the hypodermic injection, stock mixture and ampoule, to the 5 and 10 per cent. dextrose flask. I mention this development to show how a pharmacist can be "in on the ground floor" and help to build the superstructure. I started the x-ray department in one of my dark store-rooms with a large accumulator, a 15-in. coil, and some unknown, untested x-ray tubes. I lived through a dangerous year. Each following year can be as thrilling as the last but there is probably less adventure and less improvisation in the conditions of today.

On my retirement the hospital board, on the recommendation of its medical committee, elected me "honorary consulting pharmacist," an honour which I think had never previously been conferred in this country.

#### Start of a Tradition

On February 14, 1852, the Hospital for Sick Children had opened its doors with ten available beds and provision for outpatients. The two medical officers were Dr. Charles West and Dr. (afterwards Sir) William Jenner. Since that date a long line of distinguished physicians and surgeons, famous in the history of medicine, have given devoted service for sick children. It is impossible in this article to mention all their names, but great must be the

influence on mankind of such a concentration of love and service.

The scourge of preventable diseases, the terrible neglect of child life, the apathy and ignorance towards children, the cheapness and poverty! Into those condition came a stream of effort to give the child the opportunity of growing up to healthy adulthood. Little patients were sent from all over the British Empire, and trained doctors and nurses went overseas. It is worth recording that a large number of nurses paid for their own training and took no salary.

The Great Ormond Street Hospital and nurses' home are now rebuilt and after twelve years' delay the new out-patients and pharmaceutical departments are springing up to continue worthily a great tradition.

In this article I have tried to give a general picture of hospital pharmacy fifty-six years ago and its scientific advance through those years. It is well to remember that revolutions like the coming of chemotherapy, the introduction of the sulphonamides, penicillin and the other antibiotics have transformed the outlook of pharmacists and brought new horizons. Previous to them we strove after perfection in the manufacture of galenicals, attempted to make standards and also had our visions

#### ECHOES OF THE PAST INFECTIOUS DISEASES

From "Sylva Sylvarum," by Francis Bacon, Lord Verulam, Viscount St. Albans

THERE be some known Diseases that are *Infectious*, and others that are not. Those that are *infectious*, are first, Such as are chiefly in the *Spirits*, and not so much in the *Humors*, and therefore pass easily from Body to Body, such are *Pestilence*, *Lippitudes*, and such like. Secondly such as *Taint the Breath*, which we see passeth manifestly from Man to Man, and not invisibly as the affects of the *Spirits* do; such are *Consumptions* of the *Lungs*, &c. Thirdly such as come forth to the *skin* and therefore taint the *Air*, or the *Bod*: *adjacent*; especially, if they consist in an *Unctuous* substance, not apt to dissipate such are *Scabs*, and *Leprosie*. Fourthly such as are merely in the *Humors*, and not in the *Spirits*, *Breath*, or *Exhalations*. And therefore they never infect, but by *Touch* only; and such a *Touch* also, a cometh within the *Epidermis*, as the venome of the *French Pox*, and the biting of a *Mad-Dog*.

# ESSENTIALS OF TREATMENT

A C. & D. "post-graduate" course for pharmacists

DEALING SPECIALLY WITH THE PHYSIOLOGICAL AND PHARMACOLOGICAL PRINCIPLES INVOLVED

By a Medical Man

## I. DYSPEPSIA

*Concluded from THE CHEMIST AND DRUGGIST, October 4, p. 476*

ASTRIC and duodenal ulcers, known collectively as peptic ulcers, are believed to exist in about 10 per cent. of the population, and to account for 3 to 4 per cent. of the total admissions to large general hospitals. During the 1939-45 war, many discharges from the army were due to peptic ulceration as to actual war wounds. Apart from the pain and suffering of the patient, it is clear that peptic ulceration is a cause of serious economic loss to the community in terms of man-hours of work. Its treatment, therefore, is of economic importance to the nation as well as of humanitarian interest to the patient.

### Ulcer-prone" Patients

The aetiology of the condition is unknown, but it is believed to have an emotional origin. It usually occurs in the third to fifth decades of life, duodenal ulcer being more common amongst the younger members of this group. The "ulcer-prone" patient is usually of the anxious, worrying but intelligent type, frequently with a family history of the condition. There are always periods of remission in which the patient is free from symptoms. Peptic ulceration is, therefore, classed as one of the psychosomatic diseases (i.e., one with a psychogenic origin producing definite organic manifestations). The principal symptom of peptic ulceration is abdominal pain occurring from half an hour to two hours after meals, depending upon the site of the ulcer. The pain is also associated with a localised tenderness when the abdomen is palpated. Patients do not want food but, unlike those suffering from cancer of the stomach, they have a distaste occasioned not by lack of interest but by a fear of the consequences, of a heavy meal and many foods induce abdominal pain. Further question-

ing will always elicit the same story, viz., that the pain can be relieved by taking alkalis, milk, biscuits, or other bland food, or by vomiting. It will be noticed that the ultimate result of all these procedures is virtually the same, in that the action of the gastric juice is either neutralised or removed.

Since the aetiology of peptic ulceration is unknown, there is no specific remedy and present-day treatment is designed to remove the immediate cause of the pain (i.e., excessive gastric secretion). Medical and surgical treatments are directed along the same lines. As has already been stated, the patient is usually of an anxious and nervous disposition, liable to worry over trifles. During the acute phases, therefore, it is advisable to confine him to bed and prescribe long-acting sedatives in order to provide mental and physical rest. Tablets irritate the gastric mucosa, and so the sedative should be a mixture, a suitable prescription being:—

1/2 Phenobarb. sod. ....	gr. ss.
Aqua. chlorof. ....	ad 3ii.
M. fiat mist.	

Sig. 3ii vel 3iv t.d.s., p.c.

### Excessive Peptic Activity

Contrary to previous beliefs, it is now generally held that excessive peptic activity rather than hyperacidity is the factor that aggravates the condition. This fact has not unduly altered the treatment because peptic activity is reduced by diminishing the acidity of the gastric juice. Of the antacids used, sodium bicarbonate is the quickest acting, but it produces much carbon dioxide, an effect that is not necessarily a disadvantage, because many patients obtain benefit from mild eructations. Bismuth carbonate had a great vogue, but its use has now been largely abandoned because it is a feeble antacid,

and there is little evidence that it forms a protective coating to the gastric mucosa. It has now been omitted from official formulas largely for those reasons, as well as for its scarcity and expense. The magnesium antacids are of great value and are widely used, but they cannot be given in very large doses because of the laxative effect produced by such doses. Magnesium carbonate generates carbon dioxide in the same way as sodium bicarbonate, but magnesium oxide, which has four times the neutralising power of sodium bicarbonate, does not produce  $\text{CO}_2$  as a by-product. Magnesium trisilicate is an insoluble powder, which acts slowly and provides a continuous neutralising effect for about four hours, although the greatest effect is produced during the first hour. It also has good adsorptive powers and these, coupled with its prolonged action, have made magnesium trisilicate the most popular antacid in use today. Aluminium hydroxide gel has a relatively slow action, and there is little absorption of the drug. It has a definite place in treatment, but is much more expensive than magnesium trisilicate, and it is doubtful if the added expense would be justified if it were used indiscriminately in all cases. It is a valuable constituent of the suspension used as a continuous gastric drip, which is given by means of a flexible tube passed through the nose or mouth. Aluminium hydroxide tends to be constipating if its administration is prolonged. Calcium carbonate has a constipating effect also but that can be used to counteract the effect of magnesium salts.

### Antacids

Suitable prescriptions for antacids are provided by the following formulas:—

#### I

R Phenobarb. sod. .... gr.  $\frac{1}{4}$ .  
 Magnesii trisilicat. .... gr. x.  
 Sodii bicarbonat. .... gr. x.  
 Mist. magnes. hydroxid. B.P. .... 3i.  
 Aqua menth pip ..... ad 3ss.  
 Misce. fiat mist.  
 Sig. 5ss. t.d.s.p.c. ex. aq.

#### II

R Mag. carb. levis ..... gr. x.  
 Sodii bicarb. ..... gr. x.  
 Tinct. cardam aromat. .... min v.  
 Aqua chlorof. ..... ad 3ss.  
 Sig. 5ss. t.d.s.p.c. ex. aq.

#### III

R Mist. magnesii hydroxid. B.P. .... 3i.  
 Gelat. alumin. hydrox., B.P.C. .... 3i.  
 M. fiat mist.  
 Sig. 3i vel. 3ii t.d.s.p.c.

#### IV

R Pulv. magnesii trisilicat. co.  
 Sig. 3 ss. to 3i t.d.s.p.c. ex. aq.

Atropine and ganglionic blocking agent such as hexamethonium have been employed in the treatment of peptic ulceration. To have any appreciable effect atropine should be pushed to the physiological limits and if this is done undesirable side-effects occur. Similarly hexamethonium has undesirable side-effects.

If tablets are prescribed, the patient should be instructed to crush or chew them well, since they can be irritating to the already damaged gastric mucosa.

The administration of antacids can only be regarded as supplementary to dietary treatment of peptic ulceration, because many of the milder cases can be controlled adequately by diet alone. The diet is designed to exclude spicy foods, alcohol and other foods, which not only stimulate gastric secretion but in many cases also irritate the gastric mucosa. When in acute relapse, the patient is fed every two hours, and milk forms a large part of these feeds. Milk is an excellent buffer solution and as well as being a food neutralises much of the excess acid. The rest of the food should be such as not to leave a large residue and not to provide roughage. For these reasons vegetables should be puréed and small pips and skin should be removed from fruit when included in the diet. As the ulcer heals the pain becomes less and the diet can then be made more varied. The quantity of antacids and sedatives can also be reduced.

When the ulcer has healed, the patient is in a period of remission, but it must be remembered that so far nothing has been done to alter his personality and thus all the potentialities of a recurrence remain. It is essential, therefore, that he should be reassured and should remain on a diet, even though it be less strict than that ordered for the acute relapse. In many cases also a scar is formed at the site of the healed ulcer, and when a stomach is much scarred peristalsis is inhibited and accompanied by pain. With diminished peristalsis there is stasis of the gastric contents and consequent aggravation of symptoms.

### Surgical Treatments

Surgery offers many opportunities for treatment. Formerly the operation performed was virtually to by-pass the du-

num by anastomosing (uniting) the stomach to the jejunum lower down the intestine. This was said to be nature's own way of neutralising the hyperacidity of the stomach by allowing the alkaline intestinal juices to mix with the gastric contents. It is now known that it is not normal for the duodenal contents to regurgitate into the stomach, and that the reduction of acidity, which this operation produced, was purely temporary and the result of a reflex action due to the trauma of the operation. In a large number of cases ulcers occurred at the anastomosis about twelve months after the operation. Vagotomy—removal of the vagus nerve—was another operation which was simple, but is now largely in disfavour. It certainly reduced the acidity normally produced by vagal stimulation, but it must be remembered that such stimulation only occurs at the sight or smell of food, when there would be food in the stomach to digest. Vagotomy, however, has no effect on the hormonal stimulation, which is much more prolonged in action. Furthermore, following the operation peristalsis was much diminished, so that stasis of the gastric contents occurred. Frequently this required further short-circuit operation. Partial gastrectomy, in which a substantial part of the pepsin and acid-secreting part of the stomach is removed, is now the operation of choice. It allows the patient to return to a normal diet. About 95 per cent. of patients, who have had a partial gastrectomy express satisfaction with the results, while at least 75 per cent. of those who undergo medical treatment relapse at one time or another. The 5 per cent. of failures from partial gastrectomy may well be patients, in whom there is a large psychological factor with a small ulcer. One will complain of the dumping syndrome in the months following a partial gastrectomy. This is a feeling of distension with some flatulence and is in reality due to taking meals too large for a stomach that has yet to dilate. It can be corrected by taking smaller and more frequent meals and it is usually only a temporary phenomenon.

### ing Towards Surgery

This series of articles is not the place to argue the merits of surgery versus medical treatment of peptic ulceration, but it is not to say that in the past few years there has been a marked swing in favour of surgery. This can be accounted for by

the better long-term results obtained from surgery, and these in turn are probably due to the human factor. Medical treatment can be satisfactory if the patient is prepared to adhere rigidly to his treatment. However good their original intentions are, many fall by the wayside and relapse. Surgery removes the source of increased secretion and so the patient is enabled to take liberties. The mortality rates for surgical treatment have been materially reduced through improved technique, and, in many cases, are no higher than those for medical treatment, where the risk of haemorrhage and perforation of the stomach wall are ever-present. It would seem that the swing in favour of surgery, particularly of gastric ulcers, will continue until the aetiology is fully understood and a specific remedy found. Meanwhile both medical and surgical treatments are based on the same pharmacological and physiological background, viz., diminished pepsin and acid activity and/or secretion.

## MISCELLANEOUS INQUIRIES

**Banks Dealings in Foreign Exchange.**—*W. S. B.*—A list of banks and other persons authorised to deal in gold and foreign currency is given in a Statutory Instrument (1952, No. 1770) effective from October 6.

**Ointment Base for Antazoline.**—*F. F.*—Bases for antihistamine creams should be of the vanishing cream type. Antazoline hydrochloride is incompatible with ionic emulsifiers, hence triethanolamine-stearate or Polawax has to be used.

**Worms in Pigs.**—*H. N. C.*—As an anthelmintic, sodium fluoride is administered to pigs in the form of a dry meal containing 1 per cent., or alternatively, using the commercial grade, 0.1-0.15 gm., or, with the technical grade, 0.007-0.15 gm. per lb. of body weight, may be used.

**Fireproofing Theatre Wings.**—*J. H. A.*—A solution for making theatre wings fire-resistant may be made as follows:—

Sodium tungstate	...	...	...	16 oz.
Water	...	...	...	30 oz.
Dissolve in the cold and add:—				
Sodium phosphate	...	...	2 oz.	2 dr.
Water	...	...	...	20 oz.

Adjust the specific gravity of the final solution with water to 1.140.

If difficulty is experienced in obtaining sodium tungstate the following solution (recommended by the London County Council for fireproofing curtains) may be used:—

Ammonium phosphate	...	...	...	1 lb.
Ammonium chloride	...	...	...	2 lb.
Water	...	...	...	1½ gall.

The material should be dried without rinsing. If colours are involved it may be advisable to test the effect on a small portion of the hessian before proceeding with the whole.

## TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade

**L O N D O N , O C T O B E R 1 5**  
A FURTHER decline in the value of ZINC METAL during the week was responsible for a fall in the prices of all grades of OXIDE by £6 per ton. The B.P. quality, now at a minimum rate of £157 per ton, has returned to its lowest level of the year—a level previously operating for a short while in August. The only other major price change in PHARMACEUTICAL CHEMICALS was a reduction of 10s. per cwt. in home-produced CREAM OF TARTAR.

In the CRUDE DRUGS market business was generally dull. No appreciable home inquiry for MENTHOL was received and although the spot market for the Chinese material is practically bare and prices at origin are firm, the spot value was unchanged. Brazilian menthol is quoted higher at origin but this has not so far affected the material here. Spices again proved a dull market and most commodities tended to ease. CLOVES proved an exception, sellers asking a premium of ninepence per lb. over last week's levels. Both the East African and Ceylon white varieties of PAPAIN are short on the spot and delivery of sizeable orders is subject to delay. SENNA PODS were in good inquiry and a fair business was reported done on the spot in medium grades. The higher grades continue short both on the spot and at origin. Senna shipments from Tutticorin during September were as follows:—

	U.K.	U.S.	EUROPE
LEAVES ...	Bales 77	Bales 550	Bales 272
PODS ...	142	—	275

CASTOR OIL showed a further decline in value. Such price changes as there were in ESSENTIAL OILS were mainly downward. The commodities affected included:—West Indian BAY, CANANGA, English CINNAMON BARK, Italian "Mit-cham" PEPPERMINT, JUNIPER BERRY, LIME, imported NUTMEG and PALMAROSA.

### U.S. Drug and Chemical Report

**N E W Y O R K , O C T O B E R 1 4**  
THE chemical industry in the United States will spend upwards of \$5,000 million in new plants and equipment for expanding its operations during the four years ending December 31, 1954, reports Dr. George Holbrook, chief of the chemical division of the National Production Authority. Production of ZINC OXIDE in August increased to 13,378 short tons from 12,433 tons in July to reverse the downward trend in effect since October 1951. Export prices of crude petroleum wax have been marked down to the lowest levels since

around mid-1950. Although unchanged refined wax prices are said to have an uncertain undertone now with buyers. The market in refined GLYCERIN during the week was good, with values holding firm. Higher per lb. were CASCARA at 34 cent (4 cents); and Mexican VANILLA BEANS \$3.50 (15 cents). Priced lower per lb. were whole natural LIQUORICE ROOT at 5 cent (down 2 cents), and COPAIBA BALSAM at \$1.05 (10 cents). ESSENTIAL OILS lower per lb. were Florida ORANGE at \$1.10 (3 cents); California ORANGE, \$1.40 (2 cents); and natural PEPPERMINT at \$6.3 (5 cents).

### Pharmaceutical Chemicals

ADRENALINE.—B.P. is from 1s. 3d. 1s. 10d. per gm., as to quantity.

AMIDOPYRIN.—In 1-cwt. lots the price is from 32s. 6d. to 35s. per lb.

CHLOROFORM.—1-cwt. lots in winchester are now 3s. 6d. per lb.; 56-lb., 3s. 6d. In drums, prices are 3s. 4d. and 3s. 4½d.

CREAM OF TARTAR.—Reduced. New rates for the home trade are as follows:—1-ton lots, 221s. per cwt.; 10-cwt., 222s.; 5-cwt., 223s.; 2-4-cwt., 224s.; 1-cwt., 225s. delivered.

EPHEDRINE.—In 100-oz. lots ALKALOID is 12s. per oz.; HYDROCHLORIDE, 5s. 1d. SULPHATE, 8s. 6d.

FORMALDEHYDE.—B.P. solution is 3s. per cwt.

GALLIC ACID.—B.P.C. is 8s. 7d. per 1-cwt. lots.

GUAIACOLS.—Liquid and crystal are from 16s. 6d. to 17s. 6d.; and carbonate from 17s. 6d. to 18s. 6d. per lb.

HOMATROPINE HYDROBROMIDE.—In 1-lots price is 75s. per oz.; 4-oz., 80s., a 1-oz., 85s.

HYDROGEN PEROXIDE.—20 vols. is 4s. 2 per gall. for carbonyl lots.

HYDROQUINONE.—Quotations for 1-cwt. lots are 11s. per lb. For smaller quantities, 28-lb., 11s. 3d.; 14-lb., 12s.; 7-lb., 6d.

IODIDES.—Rates (per lb.) for POTASSIUM are as follows:—1-cwt., 18s. 1d.; 28-lb., 18s. 7d.; 7-lb., 22s. 2d. SODIUM IODIDE is 1-cwt., 19s. 7d.; 28-lb., 20s. 1d.; 7-lb., 23s. 10d.

IODINE PREPARATIONS.—Rates (per 1-cwt.) are as follows:—RESUBLIMED IODINE, 21s. 3d.; 28-lb., 21s. 9d.; 7-lb., 25s. 9d. IODOFORM POWDER, 1-cwt., 25s. 42-lb., 25s. 10d.; 7-lb., 30s. 6d. (CRYSTALS, 8s. 8d. per lb. more.)

ISOPBENALINE SULPHATE.—B.P.C. 2s. 4d. per gm. for 100-gm. lots.

**OLIN.**—In 1-cwt. bags, **LIGHT** is quoted 84s. per cwt.

**STATES.**—**CALCIUM**, B.P., is 3s. 0½d. in 1-cwt. lots; 28-lb., 3s. 4½d.; 7-lb., 4½d. per lb. **CALCIUM SODIUM**, B.P.C., the same quantities is 4s. 8½d., 5s. 0½d. 5s. 4½d. per lb. **LACTIC ACID**, B.P., in Winchester lots is 4s. 3d., and 3 winchers, 4s. 7d. per lb. Carboys are 4s. 0d.

**DELIC ACID.**—1-cwt. lots in 28-lb. winchers are 10s. 9d. per lb. The **CAL-SALT** is also 10s. 9d., while **SODIUM SALT** is 3d. per lb., for 1-cwt. lots.

**MERCURY DERIVATIVES.**—Quotations (lb.) for 1-cwt. lots are: **AMMONIUM BROMIDE**, B.P., lump or powder, 20s. 3d.; **CHLORIDE**, B.P., powder, 18s. 5d.; **CHLORIDE**, B.P. (calomel), 20s. 9d.; **ES**, B.P.C. levigated, or yellow, B.P., 3d.

**ETHYL SALICYLATE.**—In 5-cwt. lots, is 3s. 2½d. per lb.; 1 cwt., 3s. 3d.; 1, 3s. 3½d.

**PAVERINE.**—Synthetic **HYDROCHLORIDE** the region of £46 per kilo.

**RAFFIN.**—**LIQUID**: Prices to wholesale importers for **HEAVY**, B.P., is £104 7s. 6d. ton (8s. 3d. per gall.). **LIGHT**, B.P., 35 7s. 6d. per ton in 40/45 gall. reusable loaned drums, delivered in the **SOFT PARAFFIN**: **WHITE** is £91 12s. 6d. 89 7s. 6d. per ton as to grade and 89 7s. 6d. all in non-returnable drums.

**ENACETIN.**—In 5-cwt. lots makers' is now 7s. 2d. per lb. 1-cwt., 7s. 3d. **ENAZONE.**—For 1-10 cwt. lots quotations are 17s. per lb.

**HYPOPHORIC ACID.**—B.P. is 1s. 5½d. per 1-2-carboy lots. **HYPOPHOROUS**, C., in winchesters, is from 5s. 9d. to 0½d. per lb., as to quantity.

**TASSIUM HYDROXIDE.**—B.P. sticks from 6s. 6d. per lb.

**OCAIN HYDROCHLORIDE.**—1-cwt. lots 2s. 6d. per lb.

**CHCHARIN.**—In lots of 1-lb. and over C. powder is quoted at 98s. 4d. per lb.; **SODIUM SALT** is 79s. 4d. per lb. Prices include duty and carriage.

**PHANILAMIDE.**—Rates per lb. are: 1-lots, 9s. 6d.; 1-cwt., 9s. 8d.; 56-lb., d.; 28-lb., 10s. 0½d.

**NO CHLORIDE.**—B.P.C., cake is from d. to 4s. 10d. per lb.; sticks, from d. to 6s. 2d. per lb.

**NO OXIDE.**—Lower. Rates per ton B.P. quality are as follows:—2-ton £157; 1-ton, £158; 3-cwt., £160; less 3-cwt., £163.

**NC SULPHATE.**—B.P. in 1-cwt. lots is at 1s. 9d. per lb.; 28-lb., 2s. 1d.

## Crude Drugs

**ALOES.**—Prime Cape is about 157s. 6d. per cwt., c.i.f., and spot, 175s. Curaçao is from 325s. to 330s. per cwt., spot.

**BALSAMS.**—*Canada*: Spot is 27s. 6d. per lb. for clear bright, paper - filtered; forward, 25s. 6d. per lb., c.i.f.; *Copaiba*: Para is offered on the spot at 13s. 6d. per lb., duty paid. Peru is 12s. 6d. per lb., duty paid. *Tolu* (genuine as imported) on the spot is 23s. 6d. per lb., in original cases and for shipment, 19s. c.i.f.

**CARDAMOMS.**—Aleppy greens for shipment are 11s. per lb., c.i.f., and spot, 16s.

**CAPSICUMS.**—East African on stalk, are 150s. per cwt., spot, and 120s., c.i.f.; off stalk are 195s. spot, and 145s., c.i.f.

**CASCARA SAGRADA.**—American bark, 1951 peel, is 300s. per cwt., duty paid. New crop, for shipment, is 284s., c.i.f.

**CASSIA BARK.**—Whole on the spot is 110s. per cwt., in bond; forward 87s. 6d., c.i.f.

**CHILLIES.**—Quiet. Sierra Leone on the spot are 160s. per cwt.; for shipment, 135s., c.i.f., nominal; Mombasa, 190s., c.i.f., and 210s., spot.

**CLOVES.**—Firm. Quotations for Zanzibar on the spot are 10s. 9d. per lb., and 10s., c.i.f., for shipment.

**COCILLANA.**—Bark is 1s. 9d. per lb., spot.

**ERGOT.**—New-crop offers of Portuguese are 15s. per lb., c.i.f. October-November shipment. Spot supplies are 17s. per lb.

**GINGER.**—African on the spot is 105s. per cwt., and forward at 97s. 6d. c.i.f. Spot quotations for Jamaican are from 130s. to 155s. per cwt., as to quality.

**GUAIACUM RESIN.**—Quotations are from 3s. to 3s. 3d. per lb. for spot material.

**GUM ACACIA.**—Kordofan cleaned sorts on the spot are 110s. per cwt.; November shipment, 102s. 6d.

**IPECACUANHA.**—Forward offers of Nicaraguan, October-November shipment, are from 41s. to 42s. per lb., c.i.f., and Colombian, 38s., c.i.f. Spot quotations are: Nicaraguan, 42s. 6d. to 44s., Colombian, 41s.

**KARAYA.**—No. 1 gum on the spot is about 220s. per cwt.; No. 2, 165s.; No. 1 for shipment is 185s., c.i.f.

**KOLA NUTS.**—African halves are available on the spot at 4½d. per lb. 3½d. c.i.f., for shipment.

**LANOLIN.**—Scarce. B.P. anhydrous is nominally £170 per ton and hydrous, £150 for materials of British manufacture. Imported materials are offered at higher premiums.

**LOBELIA.**—Herb is 3s. 6d. per lb., spot.

**MACE.** — West Indian pale blade is 8s. per lb., for shipment, 7s. 1d., c.i.f.

**MENTHOL.** — Firm. Chinese, 58s. 6d. per lb., Brazilian, 44s. 6d., duty paid.

**NUTMEGS.** — Quiet. West Indian 80's quoted at 3s. 2d. per lb. on the spot and 2s. 6½d., c.i.f., for shipment.

**PAPAIN.** — East African, grade 1 is 40s. per lb.; Ceylon white, 41s. to 42s., and sun-dried, 37s. 6d., on the spot.

**PEPPER.** — White. Sarawak on the spot is about 11s. 9d. per lb. ex wharf and 11s. c.i.f. November shipment. Black, Malabar is 1,375s. per cwt., spot, and 1,125s., c.i.f., November shipment.

**QUILLAIA.** — Forward rates for whole bark are £95 per ton, c.i.f. Spot, £125.

**SANDARAC.** — Morocco is offering on the spot at 16s. per lb.

**SEEDS.** — **ANISE.** — Quiet. Turkish, 147s. 6d. per cwt., duty paid. **CARAWAY.** — Dutch unchanged at 92s. 6d. per cwt., duty paid. **CELERY.** — Indian selling at 1s. 10½d. per lb., spot London. **CORIANDER.** — Market dull, Spot Morocco, 45s. per cwt., duty paid, and 40s. in bond. Morocco quoting 35s., c.i.f., for October shipment. **CUMIN.** — A little more inquiry reported. Spot: Cyprus, 165s. per cwt.; Morocco, 175s., duty paid, and Indian, 190s. Shipment: Cyprus, 135s.; Indian, 170s. **DILL.** — Indian unchanged at 80s. per cwt., spot London. **FENNEL.** — Indian, 200s., on the spot; mid-European, 185s., duty paid. **FENUGREEK.** — Spot, Morocco, 39s. per cwt., duty paid, ex store London or Liverpool. **MUSTARD.** — English now offered at 75s. to 105s. per cwt., according to quality.

**SENEGA.** — Spot supplies are from 14s. 6d. to 14s. 9d. per lb.; forward offers are now in the region of 15s., c.i.f.

**SHELLAC.** — Lower. Spot quotations are:—F.O.T.N., pure, 175s.; F.O. standard No. 1, 195s.; fine orange, 220s. to 265s. per cwt., ex-London warehouse.

**SLIPPERY ELM BARK.** — Selected slabs are 4s. per lb., and grinding quality, 3s. 3d., spot.

**SQUILL.** — Italian white new-crop is offered from origin at 57s. 6d. per cwt., c.i.f. London. Spot is from 60s. per cwt.

**WAXES.** — **BEES'.** — Dar-es-Salaam on the spot is 425s. per cwt.; October-November shipment, 365s., c.i.f.; **CANDELILLA.** — Spot is 645s. per cwt. **CARNAUBA.** — Prime yellow, spot, 1,275s. per cwt.; November-December shipment, 1,175s. Fatty grey, spot, 885s. per cwt., afloat, 875s., c.i.f., and shipment, 860s., c.i.f. **MONTAN.** — Reibek crude on the spot is 135s. per cwt. **OURICURI.** — Spot, 0.5 per cent. impurities, 700s. per cwt. **SPERMACETI.** — Case lots are 2s. per lb.

## Essential and Expressed Oils

**BAY.** — W. Indian is 10s. 6d. per lb. on the spot.

**CANANGA.** — Supplies to come forward are quoted at from 60s. per lb. c.i.f. Java is available on the spot at 75s. per lb.

**CASTOR.** — In minimum 2-ton lots the price of B.P. quality for October-November delivery is £201 per ton, naked, mill. For December-January, 1953, delivery the price is £191. Firsts are £115 and £185 respectively.

**CINNAMON.** — B.P. oil on the spot is quoted at from 65s. to 70s. per lb. English bark oil is offered at 20s. per oz.

**CLOVE.** — English-distilled oil is 50s. 1b., nominal, with imported oils from 15s. Madagascar leaf on the spot 12s. 9d. per lb., duty paid, and 10s. c.i.f., for shipment.

**CORIANDER.** — Russian-seed oil is 17 per lb.

**GERANIUM.** — Bourbon on the spot from 78s. to 80s. per lb.; Kenya, 70s.

**JUNIPER BERRY.** — Imported oils offered at 18s. 6d. per lb., duty paid. English-distilled is offered at 75s. to 95s. lb., as to seller and grade.

**LAVANDIN.** — Quotations for spot supplies are 18s. per lb.

**LIME.** — Supplies of West Indian distillate are offered at 47s. 6d. per lb., on spot.

**LEMON.** — Sicilian hand-pressed (4 cent. citral) is quoted at from 40s. to 50s. per lb., c.i.f.; spot is from 42s. 6d. to 50s. according to quantity and holder.

**NUTMEG.** — English-distilled oil is about 38s. per lb. Imported oil (B.P.) is offered at 25s. per lb., duty paid for drum lot.

**OLIVE.** — Pharmaceutical oil in drums, spot, is from 24s. per gall., spot. French virgin (maximum acidity 1 per cent.) is offered for shipment at £285; Tunisian virgin at £275, and French pharmaceutical (maximum acidity 0.25 per cent.) £275 per 1,000 kilos, c.i.f. London. Spanish, subject to export licence, £221 per metric ton, f.o.b., Spanish port.

**PALMAROSA.** — Spot quotations for mosen are 35s. per lb. East India 52s. 6d., c.i.f.

**PATCHOULI.** — Seychelles on the spot are offered at 50s. per lb. and Penang 52s. 6d.

**PENNYROYAL.** — Drum lots are from 24s. to 24s. per lb., duty paid, as to source.

**PEPPERMINT.** — *Arvensis*, Chinese oil from the origin on the spot at from 37s. per Japanese, 36s.; Brazilian, 17s. to 18s. as to holder. Italian "Mitcham" oil, 53s. per lb. for original drums, and 50s., c.i.f., forward.

# WORLD TRADE

**yo-Slav Import Ban.** — The Jugoslav Government has banned the import of 100 articles, including eighteen medical articles that are already produced in that country.

**Argentine Medicinal Products Imports.** — The Argentine Central Bank has issued a list of medicinal products for public health use from which it will grant a subsidy at official rates.

**Swiss Chemical Trade Statistics.** — Official trade statistics for August show an increase in exports of pharmaceutical products of 2.2 million francs (22.8 million in July).

**India to Re-export Mercury.** — The Indian Government is to permit the re-export of 10,000 flasks of mercury. Each flask will carry an export duty of 300 rupees.

**Indian Penicillin Factory.** — A penicillin factory at Poona will come into production by December 1953. Construction of the buildings will be completed in around eight months, while the Economic Commission for Asia and the Far East has undertaken to supply the machinery and equipment. The World Health Organisation will provide technical personnel and the Government of India will meet other items of expenditure.

## ESTIMATES OF NARCOTIC NEEDS, 1952

### Drugs controlled under the Geneva Conventions

Drug	Quantity (for use as such)		Total of estimates (including for conversion and as reserves)	
	kilos	gm.	kilos	gm.
morphine	8,340	35	84,840	84
ethylmorphine	408	260	374	936
ine	3,037	120	3,087	913
drohydroxycodeinone	536	641	548	235
drocodeine	421	454	465	992
dromorphanone	284	154	285	126
ylidihydrocodeinone	187	536	187	683
ylmorphine (morphine-N-oxide)	—	10	—	10
dromorphine	2	—	2	—
ylmorphine	—	—	1	—
drodesoxymorphine	2	515	2	515
ylidihydromorphinone	2	155	2	183
paine	272	200	2,213	800
ylmorphine	64,308	816	66,619	600
lomorphine	5,989	446	6,144	114
drocodeine	264	50	265	691
ylidihydrocodeine	3	450	4	400

### Synthetic narcotics controlled under the 1948 Protocol

Drug	Quantity (for use as such)		Total of estimates (including reserves)	
	kilos	gm.	kilos	gm.
idine	12,501	680	12,793	640
bemidone	25	510	27	999
done (hydroxy-pethidine)	1	40	1	40
prodine	16	40	16	40
rodine	11	40	11	40
adone (amidone)	1,031	386	1,044	767
thadone	25	40	36	40
adol	1	540	1	790
I-2953 (methadyl acetate)	1	40	1	40
adoxone	163	362	178	362
932 (betalomprodine)	11	40	11	40
206 (methorphanin)	30	215	44	390

The figures in the accompanying table are taken from statistics collected from countries signatory to the Geneva Conventions and published by the World Health Organisation. They are of special interest on the present occasion because they contain for the first time estimates of the synthetic narcotics added recently to the list of Dangerous Drugs.

Pethidine has proved to be an additional analgesic rather than a substitute for morphine. Methadione (used in the United States in place of the prohibited heroin) has declined in consumption. The need for an addiction-free "antitussive" is reflected in the negligible demand for drugs for that purpose, other than codeine and ethylmorphine.

## TRADE MARKS

From the "Trade Marks Journal," October 1.

For pharmaceutical preparations for human and veterinary use (5)

HYDROTHRICINE, 703,738, by Société de Recherches Scientifiques et d'Exploitation de Marques "Resex," S.A., Geneva, Switzerland.

For hair and cosmetic preparations and non-medicated toilet preparations (3)

GALLIA, and device of woman's head, 691,189-93, by Gallia, Ltd., London, W.1.

For all goods, excluding sanitary clothing (5)

ARFONAD, 707,268, by Roche Products, Ltd., Welwyn Garden City.

For pharmaceutical preparations (5)

CHLOROCILIN, 707,988, by Ashe Laboratories, Ltd., Leatherhead, Surrey. TEBEPAS, 707,046, by Farbenfabriken Bayer, Leverkusen, Germany. SALAMOL, 708,630, by Burgoyne, Burbridges & Co., Ltd., London, E.6. DRAZIFON, 709,395 by Les Laboratoires Français de Chemothérapie, S.A., Paris, France. DEXULATE, 709,733, by Dextran, Ltd., Darlington. OMNIVITE, 709,760, by Vitamins, Ltd., London, W.6. FER-GON, 709,949, by Bayer Products, Ltd., London, W.C.2. FERGON, 709,950, by Winthrop Products, Ltd., London, S.W.1.

For all goods (5)

BANADOL, 708,429, by the Crookes Laboratories, Ltd., London, N.W.10. ILIDAR, ROMICIL, TREBURON, UPERIM, 709,382-85. ATE-LOR, 709,611. COJENE, 709,506, by Genatosan, Ltd., Loughborough.

For anaesthetics (5)

EFOCAINE, 708,672, by the Crookes Laboratories, Ltd., London, N.W.10.

For disinfectants and deodorants (5)

FRODAIR, 709,545, by Frodax Hygiene Products, Ltd., Warrington.

For nail files and tweezers (8)

GALLIA, 691,185-95, by Gallia, Ltd., London, W.1.

For electric razors (8)

LA PRINCESSE, 708,632, by Florence Morris, London, W.1.

From the "Trade Marks Journal," October 8

For fertilisers (1).

Diamond device of fish, 696,081, by Cornish Fish Products, Ltd., Penzance.

For industrial chemicals (1).

SOFLOR, 706,612, by Soflor, Ltd., Greenford. FLORISAL, 707,079, by J. Manger & Son, Ltd., London, E.8. LENSOFOR, 708,959, by Shell Chemicals Ltd., London, E.C.3.

For photographic chemicals, films and sensitised papers (1).

GREFA, 709,830, by Dr Edgar Gretener, A.G., Zurich, Switzerland.

For non-medicated toilet preparations for babies and adults, and perfumes (3).

BRISTOW, 686,079, by T. F. Bristow & Co., Ltd., London, S.W.1.

For cosmetic preparations (3).

EYLURE, 707,357, by Eylure, Ltd., Welwyn

Garden City. PULLMAN, B707,626, by F. ciera de Perfumeria S.A., Panama City.

For non-medicated toilet preparations, hair and dentifrices (3).

SOFLOR, 706,613, by Soflor, Ltd., Green-

For hair preparations (3).

INECTO FOUR-IN-ONE SERIES, 709,64 Rapido, Ltd., London, W.7. GOLDEN RI 695,054, by Camilatone, Ltd., London, N.

For detergents (3).

AUTOMAX, 709,918, by Leonard Auton, Hartlepool.

For preparations for the treatment of the soaps, perfumed cosmetics and dentifrices (3).

KOTALKO, 709,920, by Solomon M. Johannesburg, South Africa.

For smelling salts (5).

BRISTOW, 686,080, by T. F. Bristow & Co., Ltd., London, S.W.1.

For menstruation appliances, sanitary tampon towels (5).

MOLISAN, B705,999, J. M. Mollison & Co., Ltd., Milnrow.

## PRINT AND PUBLICITY

**Design of Tooth-brushes.**—A 4-page "Should Tooth-brushes be Softer?" describes Halex "double-duty" tooth-brush and is by Halex Ltd., Highams Park, London, E.

**Medical Leaflets.**—Leaflets, folders and brochures are obtainable from manufacturers as below:—

CIBA LABORATORIES, LTD., Horsham, S. Elkins (2-p. leaflet).

ROCHE PRODUCTS, LTD., Welwyn Garden Herts. "Roche Courier," Vol. XVII, No. 25-28, dealing primarily with vitamin A and skin.

**Press Advertising.**—MAX FACTOR, HOLLYWOOD (SALES), LTD., 16 Old Bond Street, London, W.1, are now advertising their beautifications in the national magazine and newspaper. —A large-scale advertising campaign for Suba-seal hot-water bottles of WILLIAM F. & CO., LTD., Suba-seal Works, Barnsley, started recently. — Rooney shaving brush being advertised in the national Press by ROONEY & SONS, LTD., 99 Higham Hill, London, E.17.—THE ENGLISH GRAINS CO., Shobnall Road, Burton-on-Trent, announce scale advertising of Yestamin in the "Mirror," "Daily Graphic," "News Chronicle" and "Daily Herald" in October and November. The campaign is in addition to their normal continuous advertising. — To mark the return of Kleenex tissues to the British market, Cell Products, Ltd., 33 Aylmer Parade, London, have started a large advertising campaign in the national Press. In addition, three Kleenex "wiz girls" distributed sample tissues in London during the first week of the campaign and a fleet of lorries transporting newsprint from Kent to Fleet Street carry banners "Kleenex is back."

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Antibiotic-Anæsthetic Throat Lozenges

'TYROZETS' move fast because 'TYROZETS' work fast! Bacteria-killing *tyrothricin* and soothing *benzocaine* promptly relieve raw, sore throats. The prescription demand is heavy, and patients appreciate the pleasant taste of 'TYROZETS'.

'TYROZETS' are a unique lozenge that delivers 1 mg. of antibiotic *tyrothricin* and 5 mg. of soothing *benzocaine* directly to the site of pain and infection.

'TYROZETS' are packed in special plastic tubes of 12 lozenges, list price 3/6 per tube, less 33½% trade discount (Exempt Purchase Tax). Special parcels of 36 tubes or more at 27/- per dozen, net.

SHARP & DOHME LIMITED, HODDESDON, HERTS.



N.B. 'TYROZETS' (Part 1, Schedule 7) may be freely sold by the Retail Chemist, as well as supplied on prescription.